

WEST Search History

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DATE: Wednesday, May 30, 2007

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<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=OR</i>			
<input type="checkbox"/>	L5	L4 and tetrahydroquinoline	35
<input type="checkbox"/>	L4	514/290	875
<input type="checkbox"/>	L3	L1 and tetrahydroquinoline	18
<input type="checkbox"/>	L1	546/79	221

END OF SEARCH HISTORY

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID : SSSPTA1612RXD

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America

NEWS 2 JAN 08 CHEMLIST enhanced with New Zealand Inventory of Chemicals

NEWS 3 JAN 16 CA/CAplus Company Name Thesaurus enhanced and reloaded

NEWS 4 JAN 16 IPC version 2007.01 thesaurus available on STN

NEWS 5 JAN 16 WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data

NEWS 6 JAN 22 CA/CAplus updated with revised CAS roles

NEWS 7 JAN 22 CA/CAplus enhanced with patent applications from India

NEWS 8 JAN 29 PHAR reloaded with new search and display fields

NEWS 9 JAN 29 CAS Registry Number crossover limit increased to 300,000 in multiple databases

NEWS 10 FEB 15 PATDPASPC enhanced with Drug Approval numbers

NEWS 11 FEB 15 RUSSIAPAT enhanced with pre-1994 records

NEWS 12 FEB 23 KOREAPAT enhanced with IPC 8 features and functionality

NEWS 13 FEB 26 MEDLINE reloaded with enhancements

NEWS 14 FEB 26 EMBASE enhanced with Clinical Trial Number field

NEWS 15 FEB 26 TOXCENTER enhanced with reloaded MEDLINE

NEWS 16 FEB 26 IFICDB/IFIPAT/IFIUDB reloaded with enhancements

NEWS 17 FEB 26 CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases

NEWS 18 MAR 15 WPIDS/WPIX enhanced with new FRAGHITSTR display format

NEWS 19 MAR 16 CASREACT coverage extended

NEWS 20 MAR 20 MARPAT now updated daily

NEWS 21 MAR 22 LWPI reloaded

NEWS 22 MAR 30 RDISCLOSURE reloaded with enhancements

NEWS 23 APR 02 JICST-EPLUS removed from database clusters and STN

NEWS 24 APR 30 GENBANK reloaded and enhanced with Genome Project ID field

NEWS 25 APR 30 CHEMCATS enhanced with 1.2 million new records

NEWS 26 APR 30 CA/CAplus enhanced with 1870-1889 U.S. patent records

NEWS 27 APR 30 INPADOC replaced by INPADOCDB on STN

NEWS 28 MAY 01 New CAS web site launched

NEWS 29 MAY 08 CA/CAplus Indian patent publication number format defined

NEWS 30 MAY 14 RDISCLOSURE on STN Easy enhanced with new search and display fields

NEWS 31 MAY 21 BIOSIS reloaded and enhanced with archival data

NEWS 32 MAY 21 TOXCENTER enhanced with BIOSIS reload

NEWS 33 MAY 21 CA/CAplus enhanced with additional kind codes for German patents

NEWS 34 MAY 22 CA/CAplus enhanced with IPC reclassification in Japanese patents

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

| | |
|------------|---|
| NEWS HOURS | STN Operating Hours Plus Help Desk Availability |
| NEWS LOGIN | Welcome Banner and News Items |
| NEWS IPC8 | For general information regarding STN implementation of IPC 8 |

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 13:42:08 ON 30 MAY 2007

FILE 'REGISTRY' ENTERED AT 13:42:24 ON 30 MAY 2007
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STRUCTURE FILE UPDATES: 29 MAY 2007 **HIGHEST RN** 936074-26-9
DICTIONARY FILE UPDATES: 29 MAY 2007 **HIGHEST RN** 936074-26-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

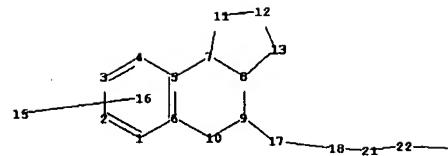
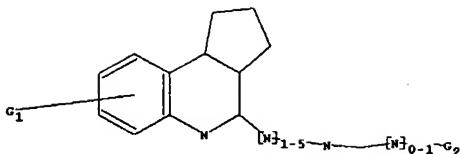
TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

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<http://www.cas.org/support/stnqen/stndoc/properties.html>

```
=> Uploading C:\Program Files\Stnexp\Queries\10522553.str
```



chain nodes :

15 17 18 21 22 23

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13

chain bonds :

9-17 17-18 18-21 21-22 22-23

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-13 9-10 11-12 12-13

exact/norm bonds :

5-7 6-10 7-8 7-11 8-9 8-13 9-10 9-17 11-12 12-13 17-18 18-21 21-22 22-23

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

G1:CN,NO2

G2:Cy,CH

Match level :

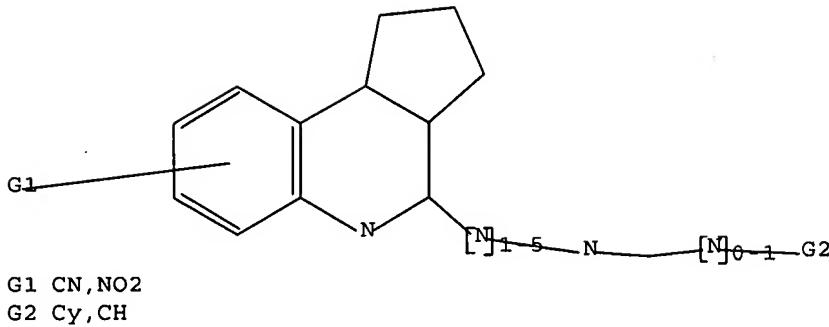
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
21:CLASS 22:CLASS 23:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 CN,NO2
G2 Cy,CH

Structure attributes must be viewed using STN Express query preparation.

```
=> s l1
SAMPLE SEARCH INITIATED 13:42:50 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 2 TO 124
PROJECTED ANSWERS: 0 TO 0
```

L2 0 SEA SSS SAM L1

```
=> s l1 ful
FULL SEARCH INITIATED 13:42:58 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 9 TO ITERATE

100.0% PROCESSED 9 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01
```

L3 0 SEA SSS FUL L1

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 173.00 | 173.21 |

FILE 'REGISTRY' ENTERED AT 13:44:15 ON 30 MAY 2007
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STRUCTURE FILE UPDATES: 29 MAY 2007 HIGHEST RN 936074-26-9
DICTIONARY FILE UPDATES: 29 MAY 2007 HIGHEST RN 936074-26-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

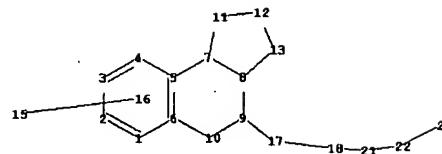
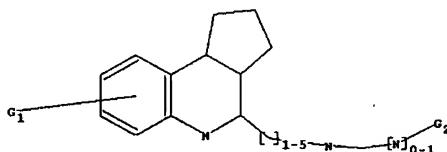
TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10522553.str



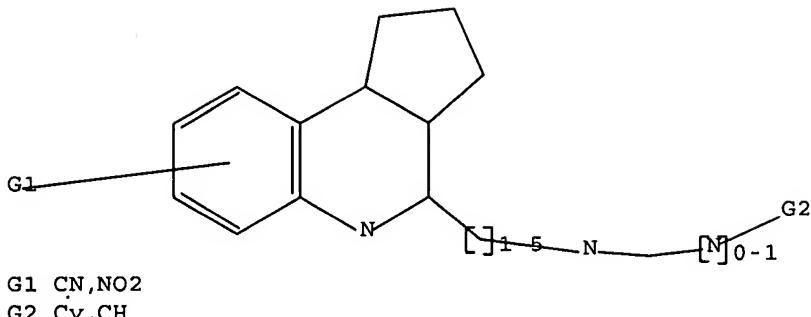
chain nodes :
15 17 18 21 22 27
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13
chain bonds :
9-17 17-18 18-21 21-22 22-27
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-13 9-10 11-12 12-13
exact/norm bonds :
5-7 6-10 7-8 7-11 8-9 8-13 9-10 11-12 12-13 17-18 18-21 21-22 22-27
exact bonds :
9-17
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

G1:CN,NO2

G2:Cy,CH

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
21:CLASS 22:CLASS 27:CLASS

=> d 14
L4 HAS NO ANSWERS
L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 14
SAMPLE SEARCH INITIATED 13:44:35 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 58 TO ITERATE

100.0% PROCESSED 58 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 704 TO 1616
PROJECTED ANSWERS: 1 TO 80

L5 1 SEA SSS SAM L4

=> s 14 ful
FULL SEARCH INITIATED 13:44:40 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1288 TO ITERATE

100.0% PROCESSED 1288 ITERATIONS 29 ANSWERS
SEARCH TIME: 00.00.01

L6 29 SEA SSS FUL L4

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 172.10 345.31

FILE 'CAPLUS' ENTERED AT 13:44:43 ON 30 MAY 2007
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FILE COVERS 1907 - 30 May 2007 VOL 146 ISS 23
FILE LAST UPDATED: 29 May 2007 (20070529/ED)

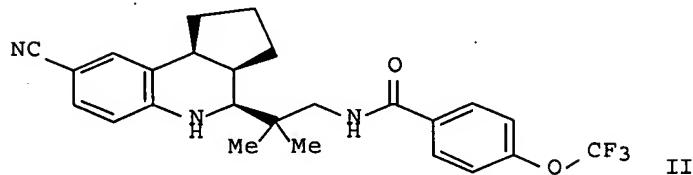
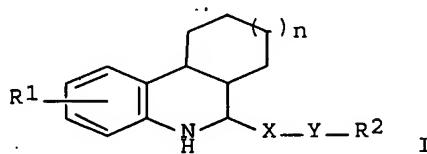
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=> s 16
L7 1 L6

=> d abs bib fhitstr

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
GI



AB The title nonsteroidal tetrahydroquinoline deriv. with general formula of I [wherein R1 = NO₂ or CN; n = 0 or 1; X = (un)substituted alkylene; Y = (un)substituted NHCO, NHSO₂, NHCONH, or NHCSNH; R2 = (un)substituted Ph, heteroaryl, etc.] or pharmaceutically acceptable salts thereof are prepared as androgen receptor agonists, particularly on skeletal muscle tissues and bone tissues without showing any excessive effect on prostatic gland. For example, 4-aminobenzonitrile was reacted with cyclopentadiene and N-(2,2-dimethyl-3-oxopropyl)carbamic acid tert-Bu ester in MeCN in the presence of CF₃CO₂H, followed by hydrogenation, hydrolysis, and reacted with 4-trifluoromethoxybenzoic acid to give the amide II. The compds. I showed strong binding inhibitory activity against androgen receptor in rat. Formulations containing I as an active ingredient were also described.

AN 2004:120829 CAPLUS Full-text

DN 140:181335

TI Preparation of novel tetrahydroquinoline derivatives as androgen receptor agonists

IN Miyakawa, Motonori; Oguro, Nao; Hanada, Keigo; Furuya, Kazuyuki; Yamamoto, Noriko

PA Kaken Pharmaceutical Co., Ltd., Japan

SO PCT Int. Appl., 55 pp.

CODEN: PIXXD2

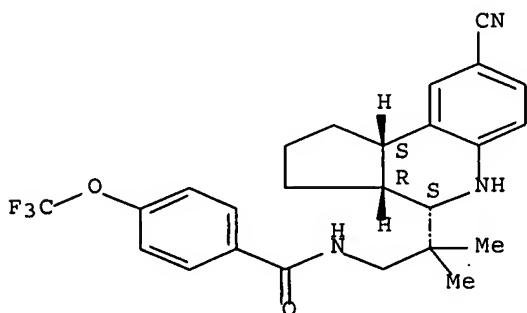
DT Patent

LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2004013104 | A1 | 20040212 | WO 2003-JP9815 | 20030801 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 2003252333 | A1 | 20040223 | AU 2003-252333 | 20030801 |
| | EP 1541560 | A1 | 20050615 | EP 2003-766703 | 20030801 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| | US 2005277660 | A1 | 20051215 | US 2005-522553 | 20050201 |
| PRAI | JP 2002-225300 | A | 20020801 | | |
| | WO 2003-JP9815 | W | 20030801 | | |
| OS | MARPAT 140:181335 | | | | |
| IT | 657407-46-0P | | | | |
| | RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) | | | | |
| | (drug candidate; preparation of novel tetrahydroquinoline derivs. as androgen receptor agonists) | | | | |
| RN | 657407-46-0 CAPLUS | | | | |
| CN | Benzamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-4-(trifluoromethoxy)-, rel-(9CI) (CA INDEX NAME) | | | | |

Relative stereochemistry.



=> file registry
COST IN U.S. DOLLARS
FULL ESTIMATED COST

| SINCE FILE ENTRY | TOTAL SESSION |
|------------------|---------------|
| 6.68 | 351.99 |

| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
|--|------------------|---------------|
| CA SUBSCRIBER PRICE | -0.78 | -0.78 |

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 DICTIONARY FILE UPDATES: 29 MAY 2007 HIGHEST RN 936074-26-9

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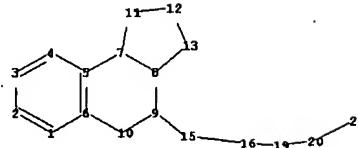
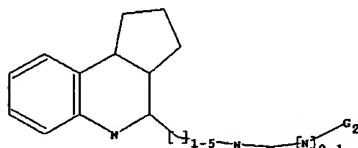
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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
 Uploading C:\Program Files\Stnexp\Queries\10522553.str



chain nodes :
 15 16 19 20 25
 ring nodes :
 1 2 3 4 5 6 7 8 9 10 11 12 13
 chain bonds :
 9-15 15-16 16-19 19-20 20-25
 ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-13 9-10 11-12 12-13
 exact/norm bonds :
 5-7 6-10 7-8 8-9 9-10 15-16 16-19 19-20 20-25
 exact bonds :
 7-11 8-13 9-15 11-12 12-13
 normalized bonds :
 1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :
containing 1 :

G1:CN,NO2

G2:Cy,Ak,C

Match level :

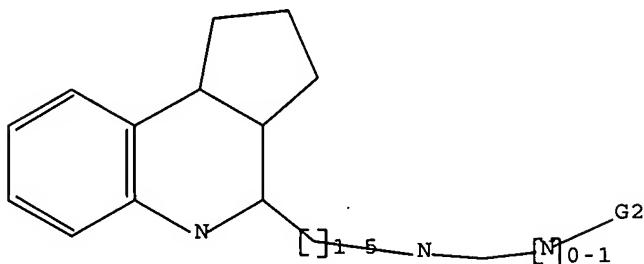
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 15:CLASS 16:CLASS 19:CLASS 20:CLASS
25:CLASS

L8 STRUCTURE UPLOADED

=> d 18

L8 HAS NO ANSWERS

L8 STR



G1 CN,NO2

G2 Cy,Ak,C

Structure attributes must be viewed using STN Express query preparation.

=> s 18

SAMPLE SEARCH INITIATED 13:47:02 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 378 TO ITERATE

100.0% PROCESSED 378 ITERATIONS
SEARCH TIME: 00.00.01

1 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 6394 TO 8726
PROJECTED ANSWERS: 1 TO 80

L9 1 SEA SSS SAM L8

=> s 18 ful

FULL SEARCH INITIATED 13:47:07 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 7982 TO ITERATE

100.0% PROCESSED 7982 ITERATIONS

33 ANSWERS

SEARCH TIME: 00.00.01

L10 33 SEA SSS FUL L8

| | | | |
|--|------------------|---------------|--|
| => file caplus | | | |
| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION | |
| FULL ESTIMATED COST | 172.10 | 524.09 | |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION | |
| CA SUBSCRIBER PRICE | 0.00 | -0.78 | |

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FILE LAST UPDATED: 29 May 2007 (20070529/ED)

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<http://www.cas.org/infopolicy.html>

=> s l10
L11 1 L10

=> s l11 not l7
L12 0 L11 NOT L7

| | | | |
|--|------------------|---------------|--|
| => file registry | | | |
| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION | |
| FULL ESTIMATED COST | 0.47 | 524.56 | |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION | |
| CA SUBSCRIBER PRICE | 0.00 | -0.78 | |

FILE 'REGISTRY' ENTERED AT 13:48:16 ON 30 MAY 2007
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STRUCTURE FILE UPDATES: 29 MAY 2007 HIGHEST RN 936074-26-9
DICTIONARY FILE UPDATES: 29 MAY 2007 HIGHEST RN 936074-26-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

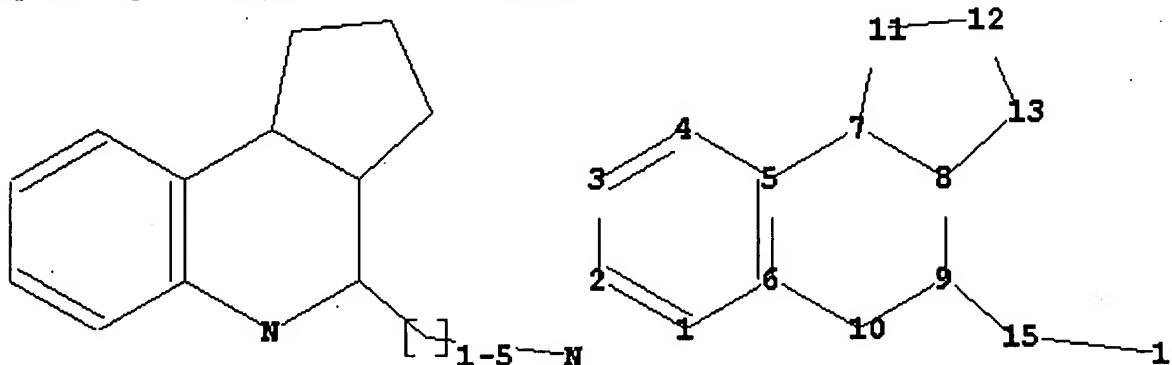
TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10522553.str



chain nodes :
15 16
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13
chain bonds :
9-15 15-16
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-13 9-10 11-12 12-13
exact/norm bonds :
5-7 6-10 7-8 8-9 9-10 15-16
exact bonds :
7-11 8-13 9-15 11-12 12-13
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

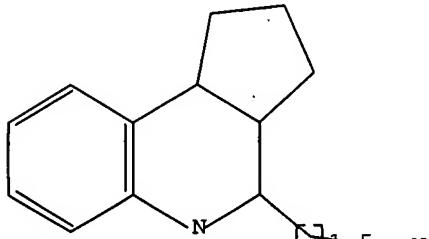
G1:CN,NO2

G2:Cy,Ak,C

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 15:CLASS 16:CLASS

L13 STRUCTURE UPLOADED

=> d l13
L13 HAS NO ANSWERS
L13 STR



G1 CN,NO2
G2 Cy,Ak,C

Structure attributes must be viewed using STN Express query preparation.

=> s l13
SAMPLE SEARCH INITIATED 13:48:38 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 382 TO ITERATE

100.0% PROCESSED 382 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 6468 TO 8812
PROJECTED ANSWERS: 1 TO 80

L14 1 SEA SSS SAM L13

=> s l13 ful
FULL SEARCH INITIATED 13:48:43 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 8053 TO ITERATE

100.0% PROCESSED 8053 ITERATIONS 35 ANSWERS
SEARCH TIME: 00.00.01

L15 35 SEA SSS FUL L13

=> d his

(FILE 'HOME' ENTERED AT 13:42:08 ON 30 MAY 2007)

FILE 'REGISTRY' ENTERED AT 13:42:24 ON 30 MAY 2007
L1 STRUCTURE UPLOADED
L2 O S L1
L3 O S L1 FUL

FILE 'REGISTRY' ENTERED AT 13:44:15 ON 30 MAY 2007
L4 STRUCTURE UPLOADED

L5 1 S L4
L6 29 S L4 FUL

FILE 'CPLUS' ENTERED AT 13:44:43 ON 30 MAY 2007
L7 1 S L6

FILE 'REGISTRY' ENTERED AT 13:46:40 ON 30 MAY 2007
L8 STRUCTURE UPLOADED
L9 1 S L8
L10 33 S L8 FUL

FILE 'CPLUS' ENTERED AT 13:47:23 ON 30 MAY 2007
L11 1 S L10
L12 0 S L11 NOT L7

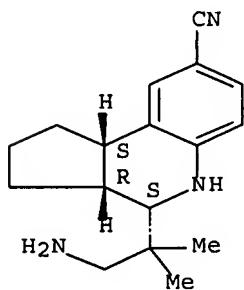
FILE 'REGISTRY' ENTERED AT 13:48:16 ON 30 MAY 2007
L13 STRUCTURE UPLOADED
L14 1 S L13
L15 35 S L13 FUL

=> s l15 not l10
L16 2 L15 NOT L10

=> d 1-2

L16 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2007 ACS on STN
RN 657407-81-3 REGISTRY
ED Entered STN: 03 Mar 2004
CN 1H-Cyclopenta[c]quinoline-8-carbonitrile, 4-(2-amino-1,1-dimethylethyl)-
2,3,3a,4,5,9b-hexahydro-, (3aR,4S,9bS)-rel- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C17 H23 N3
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Relative stereochemistry.



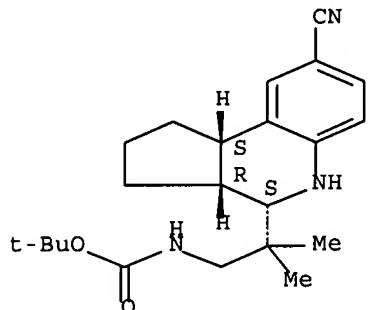
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L16 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2007 ACS on STN
RN 657407-80-2 REGISTRY
ED Entered STN: 03 Mar 2004

CN Carbamic acid, [2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-, 1,1-dimethylethyl ester,
rel- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C22 H31 N3 O2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> FIL REGISTRY

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|--|------------------|---------------|
| FULL ESTIMATED COST | 176.45 | 701.01 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
| CA SUBSCRIBER PRICE | 0.00 | -0.78 |

FILE 'REGISTRY' ENTERED AT 13:49:28 ON 30 MAY 2007
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STRUCTURE FILE UPDATES: 29 MAY 2007 HIGHEST RN 936074-26-9
DICTIONARY FILE UPDATES: 29 MAY 2007 HIGHEST RN 936074-26-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

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predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> SET TERMSET E#

SET COMMAND COMPLETED

=> DEL SEL Y

=> SEL L16 1 RN

E1 THROUGH E1 ASSIGNED

=> S E1/RN

L17 1 657407-81-3/RN

=> SET TERMSET LOGIN

SET COMMAND COMPLETED

=> FIL USPATFULL

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|--|------------------|---------------|
| FULL ESTIMATED COST | 0.53 | 701.54 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
| CA SUBSCRIBER PRICE | 0.00 | -0.78 |

FILE 'USPATFULL' ENTERED AT 13:49:32 ON 30 MAY 2007
CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 29 May 2007 (20070529/PD)
FILE LAST UPDATED: 29 May 2007 (20070529/ED)
HIGHEST GRANTED PATENT NUMBER: US7225469
HIGHEST APPLICATION PUBLICATION NUMBER: US2007118942
CA INDEXING IS CURRENT THROUGH 29 May 2007 (20070529/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 29 May 2007 (20070529/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2006
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2006

=> S L17

L18 1 L17

=> DIS L18 1

L18 ANSWER 1 OF 1 USPATFULL on STN
AN 2005:318917 USPATFULL Full-text
TI Novel tetrahydroquinoline derivatives
IN Miyakawa, Motonori, Kyoto, JAPAN
PI US 2005277660 A1 20051215
AI US 2003-522553 A1 20030801 (10)

| | |
|--|-----------------------|
| WO 2003-JP9815 | 20030801 |
| | 20050201 PCT 371 date |
| PRAI JP 2002-225300 | 20020801 |
| DT Utility | |
| FS APPLICATION | |
| LN.CNT 1357 | |
| INCL INCLM: 514/290.000 | |
| | INCLS: 546/088.000 |
| NCL NCLM: 514/290.000 | |
| | NCLS: 546/088.000 |
| IC [7] | |
| ICM C07D471-04 | |
| ICS A61K031-473 | |
| IPCI C07D0471-04 [ICM,7]; C07D0471-00 [ICM,7,C*]; A61K0031-473 [ICS,7] | |
| IPCR A61P0005-00 [I,C*]; A61P0005-24 [I,A]; A61P0007-00 [I,C*]; | |
| A61P0007-00 [I,A]; A61P0007-06 [I,A]; A61P0015-00 [I,C*]; | |
| A61P0015-00 [I,A]; A61P0015-10 [I,A]; A61P0019-00 [I,C*]; | |
| A61P0019-10 [I,A]; A61P0035-00 [I,C*]; A61P0035-00 [I,A]; | |
| A61P0043-00 [I,C*]; A61P0043-00 [I,A]; C07D0221-00 [I,C*]; | |
| C07D0221-16 [I,A]; C07D0401-00 [I,C*]; C07D0401-12 [I,A]; | |
| C07D0405-00 [I,C*]; C07D0405-12 [I,A] | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

| => logoff y | | SINCE FILE | TOTAL |
|--|--|------------|---------|
| COST IN U.S. DOLLARS | | ENTRY | SESSION |
| FULL ESTIMATED COST | | 2.49 | 704.03 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | | SINCE FILE | TOTAL |
| | | ENTRY | SESSION |
| CA SUBSCRIBER PRICE | | 0.00 | -0.78 |

STN INTERNATIONAL LOGOFF AT 13:50:04 ON 30 MAY 2007

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID : SSSPTA1612RXD

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America

NEWS 2 JAN 08 CHEMLIST enhanced with New Zealand Inventory of Chemicals

NEWS 3 JAN 16 CA/CAplus Company Name Thesaurus enhanced and reloaded

NEWS 4 JAN 16 IPC version 2007.01 thesaurus available on STN

NEWS 5 JAN 16 WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data

NEWS 6 JAN 22 CA/CAplus updated with revised CAS roles

NEWS 7 JAN 22 CA/CAplus enhanced with patent applications from India

NEWS 8 JAN 29 PHAR reloaded with new search and display fields

NEWS 9 JAN 29 CAS Registry Number crossover limit increased to 300,000 in multiple databases

NEWS 10 FEB 15 PATDPASPC enhanced with Drug Approval numbers

NEWS 11 FEB 15 RUSSIAPAT enhanced with pre-1994 records

NEWS 12 FEB 23 KOREAPAT enhanced with IPC 8 features and functionality

NEWS 13 FEB 26 MEDLINE reloaded with enhancements

NEWS 14 FEB 26 EMBASE enhanced with Clinical Trial Number field

NEWS 15 FEB 26 TOXCENTER enhanced with reloaded MEDLINE

NEWS 16 FEB 26 IFICDB/IFIPAT/IFIUDB reloaded with enhancements

NEWS 17 FEB 26 CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases

NEWS 18 MAR 15 WPIDS/WPIX enhanced with new FRAGHITSTR display format

NEWS 19 MAR 16 CASREACT coverage extended

NEWS 20 MAR 20 MARPAT now updated daily

NEWS 21 MAR 22 LWPI reloaded

NEWS 22 MAR 30 RDISCLOSURE reloaded with enhancements

NEWS 23 APR 02 JICST-EPLUS removed from database clusters and STN

NEWS 24 APR 30 GENBANK reloaded and enhanced with Genome Project ID field

NEWS 25 APR 30 CHEMCATS enhanced with 1.2 million new records

NEWS 26 APR 30 CA/CAplus enhanced with 1870-1889 U.S. patent records

NEWS 27 APR 30 INPADOC replaced by INPADOCDB on STN

NEWS 28 MAY 01 New CAS web site launched

NEWS 29 MAY 08 CA/CAplus Indian patent publication number format defined

NEWS 30 MAY 14 RDISCLOSURE on STN Easy enhanced with new search and display fields

NEWS 31 MAY 21 BIOSIS reloaded and enhanced with archival data

NEWS 32 MAY 21 TOXCENTER enhanced with BIOSIS reload

NEWS 33 MAY 21 CA/CAplus enhanced with additional kind codes for German patents

NEWS 34 MAY 22 CA/CAplus enhanced with IPC reclassification in Japanese patents

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

| | |
|------------|---|
| NEWS HOURS | STN Operating Hours Plus Help Desk Availability |
| NEWS LOGIN | Welcome Banner and News Items |
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Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 13:42:08 ON 30 MAY 2007

| | | | |
|----------------------|------------|---------|--|
| => file registry | | | |
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL | |
| | ENTRY | SESSION | |
| FULL ESTIMATED COST | 0.21 | 0.21 | |

FILE 'REGISTRY' ENTERED AT 13:42:24 ON 30 MAY 2007
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STRUCTURE FILE UPDATES: 29 MAY 2007 **HIGHEST RN** 936074-26-9
DICTIONARY FILE UPDATES: 29 MAY 2007 **HIGHEST RN** 936074-26-9

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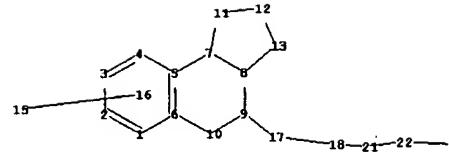
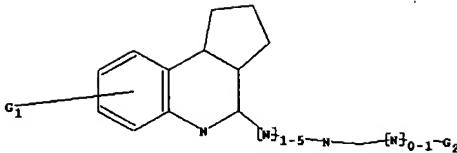
TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

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<http://www.cas.org/support/stngen/stndoc/properties.html>

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=> Uploading C:\Program Files\Stnexp\Queries\10522553.str
```



chain nodes :

15 17 18 21 22 23

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13

chain bonds :

9-17 17-18 18-21 21-22 22-23

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-13 9-10 11-12 12-13

exact/norm bonds :

5-7 6-10 7-8 7-11 8-9 8-13 9-10 9-17 11-12 12-13 17-18 18-21 21-22 22-23

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

G1:CN,NO2

G2:Cy,CH

Match level :

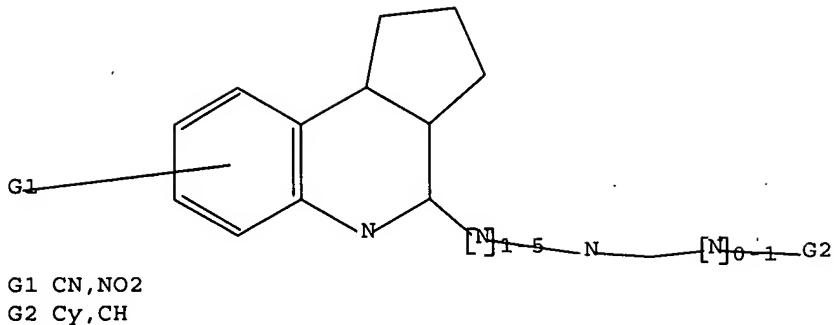
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
21:CLASS 22:CLASS 23:CLASS

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

```
=> s l1
SAMPLE SEARCH INITIATED 13:42:50 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 2 TO 124
PROJECTED ANSWERS: 0 TO 0
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L2 0 SEA SSS SAM L1

```
=> s l1 ful
FULL SEARCH INITIATED 13:42:58 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 9 TO ITERATE

100.0% PROCESSED 9 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01
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L3 0 SEA SSS FUL L1

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 173.00 | 173.21 |

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 DICTIONARY FILE UPDATES: 29 MAY 2007 HIGHEST RN 936074-26-9

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LOGINID: SSSPTA1612RXD

PASSWORD :

TERMINAL (ENTER 1, 2, 3, OR ?):2

| | | | |
|--------------|----|--------|--|
| | | | Web Page for STN Seminar Schedule - N. America |
| NEWS | 1 | JAN 08 | CHEMLIST enhanced with New Zealand Inventory of Chemicals |
| NEWS | 2 | JAN 16 | CA/CAplus Company Name Thesaurus enhanced and reloaded |
| NEWS | 3 | JAN 16 | IPC version 2007.01 thesaurus available on STN |
| NEWS | 4 | JAN 16 | WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data |
| NEWS | 5 | JAN 16 | CA/CAplus updated with revised CAS roles |
| NEWS | 6 | JAN 22 | CA/CAplus enhanced with patent applications from India |
| NEWS | 7 | JAN 22 | PHAR reloaded with new search and display fields |
| NEWS | 8 | JAN 29 | CAS Registry Number crossover limit increased to 300,000 in multiple databases |
| NEWS | 9 | JAN 29 | PATDPASPC enhanced with Drug Approval numbers |
| NEWS | 10 | FEB 15 | RUSSIAPAT enhanced with pre-1994 records |
| NEWS | 11 | FEB 15 | KOREAPAT enhanced with IPC 8 features and functionality |
| NEWS | 12 | FEB 23 | MEDLINE reloaded with enhancements |
| NEWS | 13 | FEB 26 | EMBASE enhanced with Clinical Trial Number field |
| NEWS | 14 | FEB 26 | TOXCENTER enhanced with reloaded MEDLINE |
| NEWS | 15 | FEB 26 | IFICDB/IFIPAT/IFIUDB reloaded with enhancements |
| NEWS | 16 | FEB 26 | CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases |
| NEWS | 17 | FEB 26 | WPIDS/WPIX enhanced with new FRAGHITSTR display format |
| NEWS | 18 | MAR 15 | CASREACT coverage extended |
| NEWS | 19 | MAR 16 | MARPAT now updated daily |
| NEWS | 20 | MAR 20 | LWPI reloaded |
| NEWS | 21 | MAR 22 | RDISCLOSURE reloaded with enhancements |
| NEWS | 22 | MAR 30 | JICST-EPLUS removed from database clusters and STN |
| NEWS | 23 | APR 02 | GENBANK reloaded and enhanced with Genome Project ID field |
| NEWS | 24 | APR 30 | CHEMCATS enhanced with 1.2 million new records |
| NEWS | 25 | APR 30 | CA/CAplus enhanced with 1870-1889 U.S. patent records |
| NEWS | 26 | APR 30 | INPADOC replaced by INPADOCDB on STN |
| NEWS | 27 | APR 30 | New CAS web site launched |
| NEWS | 28 | MAY 01 | CA/CAplus Indian patent publication number format defined |
| NEWS | 29 | MAY 08 | RDISCLOSURE on STN Easy enhanced with new search and display fields |
| NEWS | 30 | MAY 14 | BIOSIS reloaded and enhanced with archival data |
| NEWS | 31 | MAY 21 | TOXCENTER enhanced with BIOSIS reload |
| NEWS | 32 | MAY 21 | CA/CAplus enhanced with additional kind codes for German patents |
| NEWS | 33 | MAY 21 | CA/CAplus enhanced with IPC reclassification in Japanese patents |
| NEWS EXPRESS | | | NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006. |

| | |
|------------|---|
| NEWS HOURS | STN Operating Hours Plus Help Desk Availability |
| NEWS LOGIN | Welcome Banner and News Items |
| NEWS IPC8 | For general information regarding STN implementation of IPC 8 |

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FILE 'HOME' ENTERED AT 15:18:07 ON 30 MAY 2007

=> file registry
COST IN U.S. DOLLARS

| | SINCE FILE
ENTRY | TOTAL
SESSION |
|---------------------|---------------------|------------------|
| FULL ESTIMATED COST | 0.21 | 0.21 |

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STRUCTURE FILE UPDATES: 29 MAY 2007 HIGHEST RN 936074-26-9
DICTIONARY FILE UPDATES: 29 MAY 2007 HIGHEST RN 936074-26-9

New CAS Information Use Policies. enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

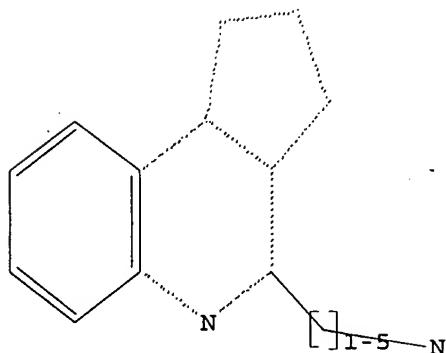
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stn/gen/stndoc/properties.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10522553.str

L1 STRUCTURE UPLOADED

=> d 11
L1 HAS NO ANSWERS
L1 STR



G1 CN,NO2

G2 Cy,Ak,C

Structure attributes must be viewed using STN Express query preparation.

=> s 11

SAMPLE SEARCH INITIATED 15:18:42 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 382 TO ITERATE

100.0% PROCESSED 382 ITERATIONS
SEARCH TIME: 00.00.01

5 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 6468 TO 8812
PROJECTED ANSWERS: 5 TO 234

L2 5 SEA SSS SAM L1

=> s 11 ful
FULL SEARCH INITIATED 15:18:47 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 8053 TO ITERATE

100.0% PROCESSED 8053 ITERATIONS
SEARCH TIME: 00.00.01

99 ANSWERS

L3 99 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 172.10 172.31

FILE 'CAPLUS' ENTERED AT 15:18:52 ON 30 MAY 2007
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FILE COVERS 1907 - 30 May 2007 VOL 146 ISS 23
FILE LAST UPDATED: 29 May 2007 (20070529/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 13
L4 7 L3

=> d abs bib hitstr 1-7

L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [R1 and R2 independently = (un)substituted aryl, heteroaryl or together they may form benzocycloheptane; R3 and R4 independently = H, OH, hydroxyalkyl, etc. or together they may form an oxo group; R5 = H or alkyl; Y = single bond, O or -NR7-; R6 = (un)substituted alkyl, alkenyl, alkynyl, etc.; R7 = alkyl or alkyloxycarbonylalkyl with provisions] and their pharmaceutically acceptable salts, are prepared and disclosed as antagonists of CB1 receptor. Thus, e.g., II was prepared by benzoylation of (3R)-1-[bis-(4-chlorophenyl)methyl]-3-aminopyrrolidine (preparation given) with 4-(trifluoromethoxy)benzoyl chloride. I as antagonists of CB1 receptor should prove useful in the treatment of diseases such as but not limited to depression, migraine and obesity. Pharmaceutical compns. comprising I are disclosed.

AN 2005:1290266 CAPLUS

DN 144:22804

TI Preparation of pyrrolidine derivatives as CB1 receptor antagonists

IN Moritani, Yasunori; Furukubo, Shigeru; Tsuboi, Yasunori; Okagaki, Chieko; Oku, Akira; Hirano, Naomitsu

PA Tanabe Seiyaku Co., Ltd., Japan

SO PCT Int. Appl., 205 pp.

CODEN: PIXXD2

DT Patent

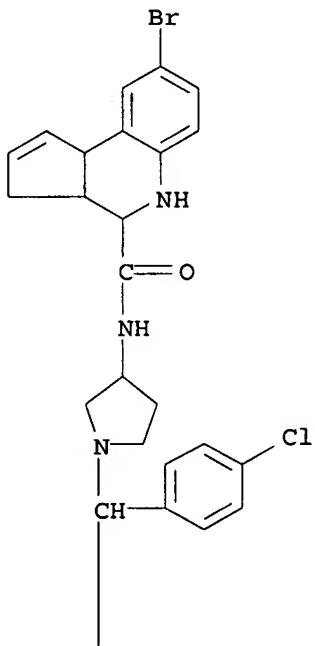
LA English

FAN.CNT 1

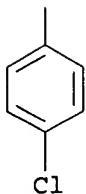
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|-------|----------|-----------------|----------|
| ----- | ----- | ----- | ----- | ----- |
| PI WO 2005115977 | A1 | 20051208 | WO 2005-JP10197 | 20050527 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KM, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG,
NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, | | | | |

SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
MR, NE, SN, TD, TG
 JP 2006219472 A 20060824 JP 2005-155309 20050527
 EP 1748980 A1 20070207 EP 2005-745829 20050527
 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA,
HR, LV, MK, YU
 CN 1960970 A 20070509 CN 2005-80017310 20050527
 PRAI JP 2004-160059 A 20040528
 US 2004-575409P P 20040601
 JP 2005-7833 A 20050114
 US 2005-644992P P 20050121
 WO 2005-JP10197 W 20050527
 OS MARPAT 144:22804
 IT 870625-81-3P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)
 (preparation of pyrrolidine derivs. as CB1 receptor antagonists)
 RN 870625-81-3 CAPLUS
 CN 3H-Cyclopenta[c]quinoline-4-carboxamide, N-[1-[bis(4-chlorophenyl)methyl]-
 3-pyrrolidinyl]-8-bromo-3a,4,5,9b-tetrahydro- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



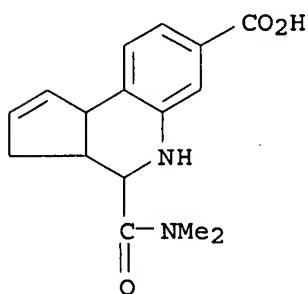
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

- L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
- AB A method of treating a subject for a bacterial infection includes administering to a subject in need of treatment for a bacterial infection an effective amount of a cycloalkyltetrahydroquinoline compound, or a pharmaceutically acceptable salt, solvate, or hydrate thereof. The infection is caused by a bacterium that expresses phosphoenolpyruvate-UDP-N-acetyl-D-glucosamine 1-carboxyvinyltransferase (MurA, E.C. 2.1.5.7). Various cycloalkyltetrahydroquinoline compds. were prepared and tested in vitro for inhibition of MurA.
- AN 2005:259866 CAPLUS
- DN 142:309862
- TI Antibiotic cycloalkyltetrahydroquinoline derivatives
- IN Labaudiniere, Richard F.; Xiang, Yibin; Jalluri, Ravi K.; Arvanites, Anthony C.
- PA Oscent Pharmaceuticals, USA
- SO PCT Int. Appl., 44 pp.
- CODEN: PIXXD2
- DT Patent
- LA English
- FAN.CNT 1
- | | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | WO 2005025556 | A2 | 20050324 | WO 2004-US25937 | 20040811 |
| | WO 2005025556 | A3 | 20070125 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG | | | | |
| | AU 2004271932 | A1 | 20050324 | AU 2004-271932 | 20040811 |
| | CA 2534957 | A1 | 20050324 | CA 2004-2534957 | 20040811 |
| | EP 1765784 | A2 | 20070328 | EP 2004-816173 | 20040811 |
| | R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IT, LI, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR | | | | |
| | JP 2007513055 | T | 20070524 | JP 2006-523309 | 20040811 |
| | US 2006287351 | A1 | 20061221 | US 2006-568252 | 20060802 |
| PRAI | US 2003-494669P | P | 20030813 | | |
| | WO 2004-US25937 | W | 20040811 | | |
| OS | MARPAT 142:309862 | | | | |
| IT | 848085-84-7 | | | | |

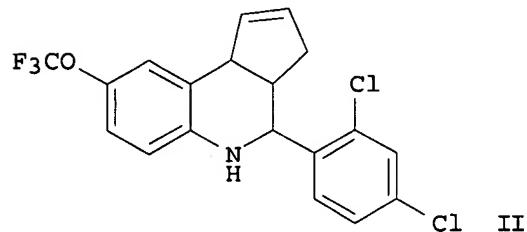
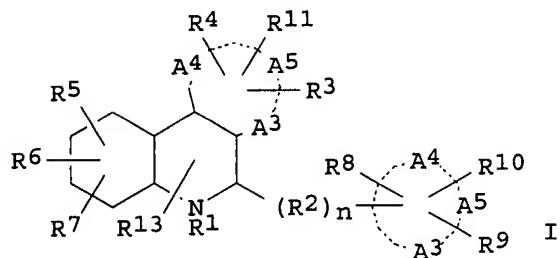
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (cycloalkyltetrahydroquinoline antibiotics as MurA inhibitors for
 treatment of bacterial infections)

RN 848085-84-7 CAPLUS

CN 3H-Cyclopenta[c]quinoline-7-carboxylic acid, 4-[(dimethylamino)carbonyl]-
 3a,4,5,9b-tetrahydro- (9CI) (CA INDEX NAME)



L4 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
 GI

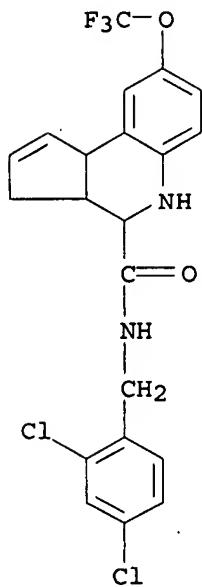


AB Title compds. represented by the formula I [wherein R1 = H, Cl, F, (cyclo)alkyl, alkylcycloalkyl, CF3, etc.; R2, R14 = independently CH2, (CH2)A1(CH2) or (CH2)A1(CH2)A2(CH2); a, b, c = independently 0-4; A1, A2 = independently CO, O, SO2, etc.; R3-R4, R8-R11 = independently H, amino, alkyl, halo, etc.; R12 = H, Cl, CF3, (cyclyl)alkyl, etc.; R13 = H, hydroxy, alkyl, carboxylic acid, etc.; R5-R7 = independently (R14)-R12; n = 0-6; A3-A5 = independently C, N, O, S; and analogs, derivs., solvates or salts thereof] were prepared as liver-receptors (LXR) modulators. For example, reaction of 4-trifluoromethoxyphenylamine with 2,4-dichlorobenzaldehyde and cyclopentadiene gave II in 70% yield. II was

tested for dose response induction of ABCA1, FAS, SREBP1c and Angptl3 gene expression, HDL cholesterol plasma and liver triglyceride levels change. In addition, I were tested for binding activity with human LXR α and LXR β ($K_i = 1000-3000$ nM), activation of gene implicated in cholesterol efflux, etc. Thus, I and their pharmaceutical compns. are useful for the prevention or treatment of hyperlipidemia, obesity, type II diabetes, atherosclerosis, ischemic heart disease, peripheral vascular disease, cerebral vascular disease, hypercholesterolemia, hypertriglyceridemia, pancreatitis or coronary artery disease.

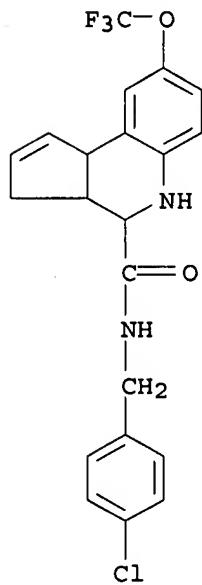
AN 2004:696357 CAPLUS
 DN 141:243351
 TI Preparation of tetrahydroquinolines as nuclear receptors modulators
 IN Koutnikova, Hana; Sierra, Michael; Braun-Egles, Anne; Marsol, Claire; Klotz, Evelyne; Lehmann, Juergen
 PA Carex S.A., Fr.
 SO PCT Int. Appl., 166 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|--|----------|-----------------|----------|
| PI | WO 2004072046 | A2 | 20040826 | WO 2004-EP1280 | 20040211 |
| | WO 2004072046 | A3 | 20041021 | | |
| | W: | AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AZ, AZ, BA, BB, BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CO, CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG, ES, FI, FI, GB, GD, GE, GE, GH, GM, HR, HR, HU, HU, ID, IL, IS, JP, JP, KE, KE, KG, KG, KP, KP, KR, KR, KZ, KZ, LC, LK, LR, LS, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, MZ, NA, NI | | | |
| | RW: | BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| PRAI | EP 2003-360025 | A | 20030212 | | |
| | EP 2003-360029 | A | 20030212 | | |
| | US 2003-456955P | P | 20030325 | | |
| | EP 2003-360083 | A | 20030704 | | |
| OS | MARPAT 141:243351 | | | | |
| IT | 745787-39-7P 745787-41-1P 745787-43-3P
745787-45-5P | | | | |
| | RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) | | | | |
| | (preparation of tetrahydroquinolines as nuclear receptor modulators) | | | | |
| RN | 745787-39-7 CAPLUS | | | | |
| CN | 3H-Cyclopenta[c]quinoline-4-carboxamide, N-[(2,4-dichlorophenyl)methyl]-3a,4,5,9b-tetrahydro-8-(trifluoromethoxy)- (9CI) (CA INDEX NAME) | | | | |



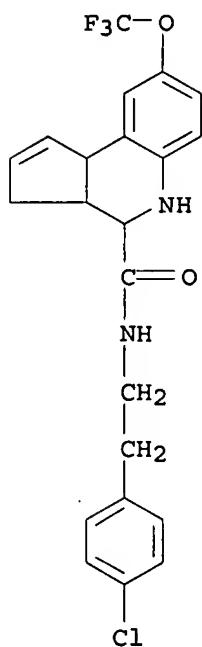
RN 745787-41-1 CAPLUS

CN 3H-Cyclopenta[c]quinoline-4-carboxamide, N-[(4-chlorophenyl)methyl]-3a,4,5,9b-tetrahydro-8-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



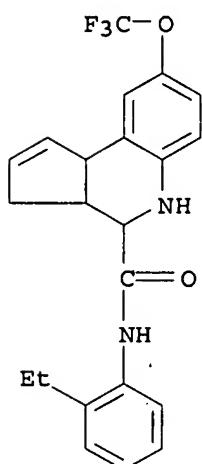
RN 745787-43-3 CAPLUS

CN 3H-Cyclopenta[c]quinoline-4-carboxamide, N-[2-(4-chlorophenyl)ethyl]-3a,4,5,9b-tetrahydro-8-(trifluoromethoxy)- (9CI) (CA INDEX NAME)

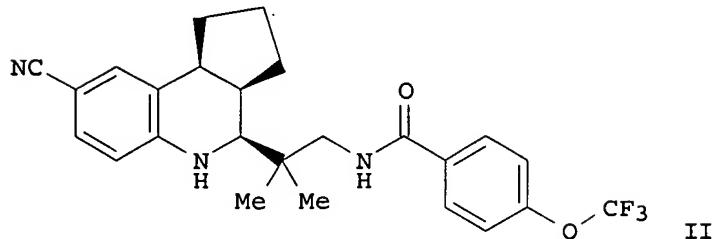
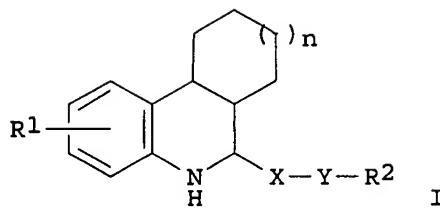


RN 745787-45-5 CAPLUS

CN 3H-Cyclopenta[c]quinoline-4-carboxamide, N-(2-ethylphenyl)-3a,4,5,9b-tetrahydro-8-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
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AB The title nonsteroidal tetrahydroquinoline derivative with general formula of I [wherein R1 = NO₂ or CN; n = 0 or 1; X = (un)substituted alkylene; Y = (un)substituted NHCO, NHSO₂, NHCONH, or NHCSNH; R2 = (un)substituted Ph, heteroaryl, etc.] or pharmaceutically acceptable salts thereof are prepared as androgen receptor agonists, particularly on skeletal muscle tissues and bone tissues without showing any excessive effect on prostatic gland. For example, 4-aminobenzonitrile was reacted with cyclopentadiene and N-(2,2-dimethyl-3-oxopropyl)carbamic acid tert-Bu ester in MeCN in the presence of CF₃CO₂H, followed by hydrogenation, hydrolysis, and reacted with 4-trifluoromethoxybenzoic acid to give the amide II. The compds. I showed strong binding inhibitory activity against androgen receptor in rat. Formulations containing I as an active ingredient were also described.

AN 2004:120829 CAPLUS

DN 140:181335

TI Preparation of novel tetrahydroquinoline derivatives as androgen receptor agonists

IN Miyakawa, Motonori; Oguro, Nao; Hanada, Keigo; Furuuya, Kazuyuki; Yamamoto, Noriko

PA Kaken Pharmaceutical Co., Ltd., Japan

SO PCT Int. Appl., 55 pp.

CODEN: PIIXD2

DT Patent

LA Japanese

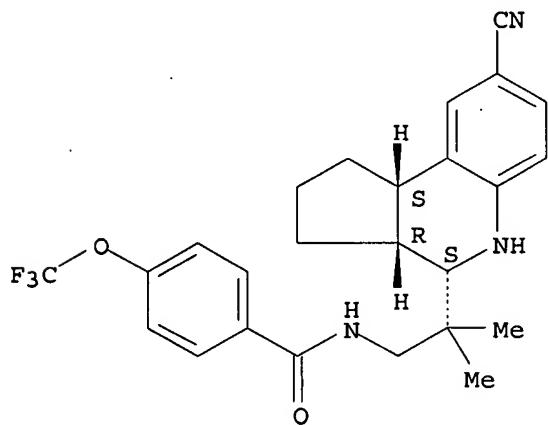
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | WO 2004013104 | A1 | 20040212 | WO 2003-JP9815 | 20030801 |
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| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU | 2003252333 | A1 | 20040223 | AU 2003-252333 | 20030801 |
| EP | 1541560 | A1 | 20050615 | EP 2003-766703 | 20030801 |

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
 US 2005277660 A1 20051215 US 2005-522553 20050201
 PRAI JP 2002-225300 A 20020801
 WO 2003-JP9815 W 20030801
 OS MARPAT 140:181335
 IT 657407-46-0P 657407-47-1P 657407-48-2P
 657407-49-3P 657407-50-6P 657407-51-7P
 657407-52-8P 657407-53-9P 657407-54-0P
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 657407-76-6P 657407-77-7P 657407-78-8P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)
 (drug candidate; preparation of novel tetrahydroquinoline derivs. as
 androgen receptor agonists)

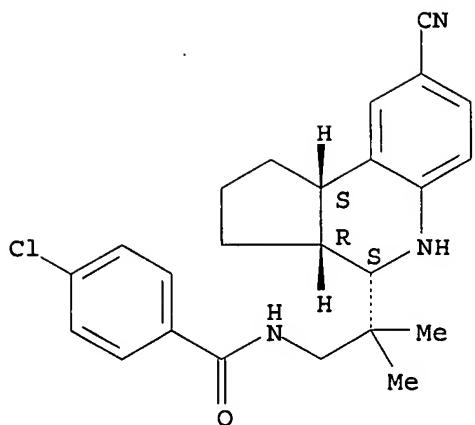
RN 657407-46-0 CAPPLUS
 CN Benzamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-
 cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-4-(trifluoromethoxy)-, rel-
 (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 657407-47-1 CAPPLUS
 CN Benzamide, 4-chloro-N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-
 cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-, rel- (9CI) (CA INDEX NAME)

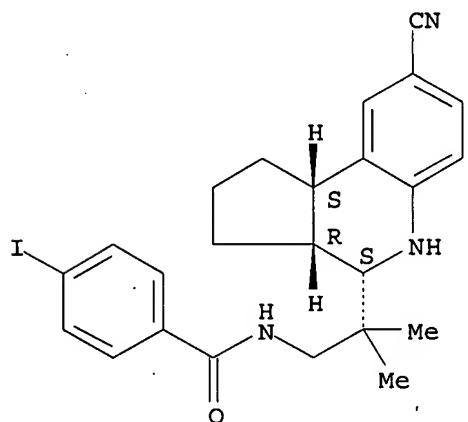
Relative stereochemistry.



RN 657407-48-2 CAPLUS

CN Benzamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-4-iodo-, rel- (9CI) (CA INDEX NAME)

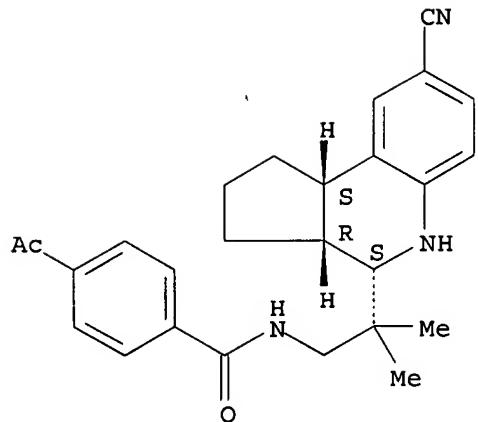
Relative stereochemistry.



RN 657407-49-3 CAPLUS

CN Benzamide, 4-acetyl-N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-, rel- (9CI) (CA INDEX NAME)

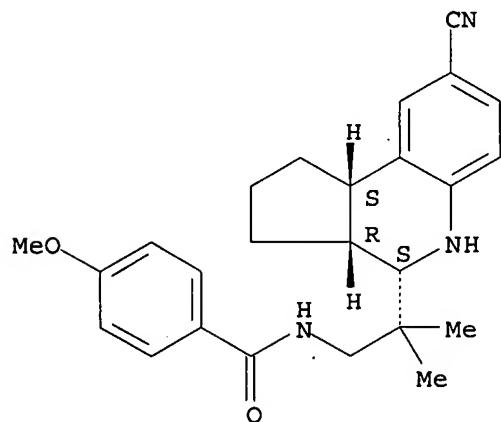
Relative stereochemistry.



RN 657407-50-6 CAPLUS

CN Benzamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-4-methoxy-, rel- (9CI) (CA INDEX NAME)

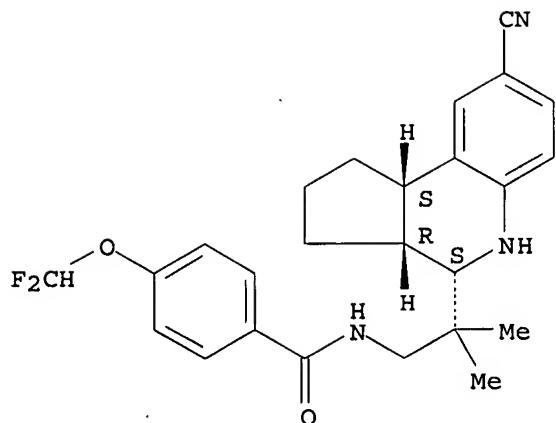
Relative stereochemistry.



RN 657407-51-7 CAPLUS

CN Benzamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-4-(difluoromethoxy)-, rel- (9CI) (CA INDEX NAME)

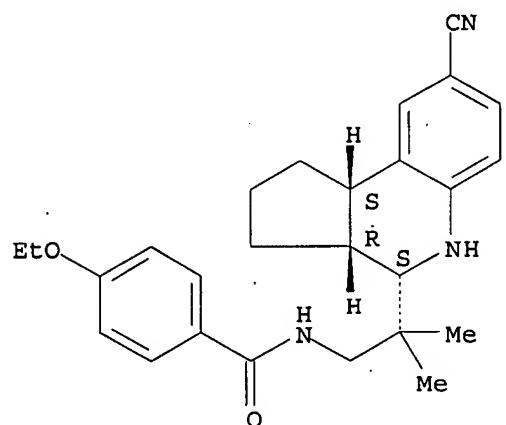
Relative stereochemistry.



RN 657407-52-8 CAPLUS

CN Benzamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-4-ethoxy-, rel- (9CI) (CA INDEX NAME)

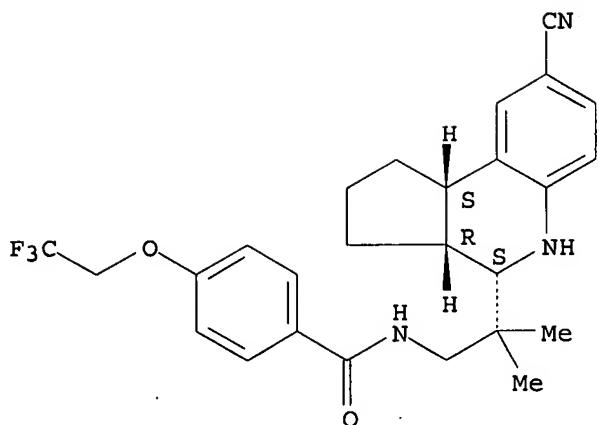
Relative stereochemistry.



RN 657407-53-9 CAPLUS

CN Benzamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-4-(2,2,2-trifluoroethoxy)-, rel- (9CI) (CA INDEX NAME)

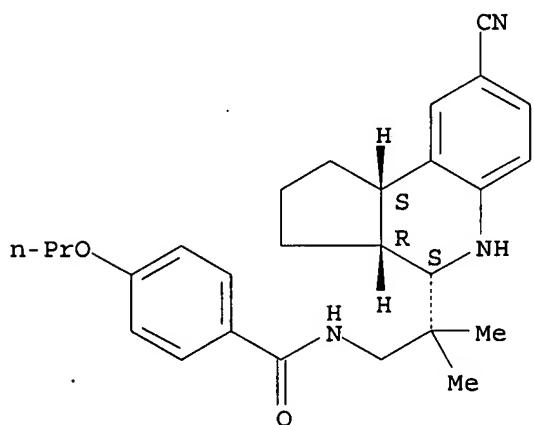
Relative stereochemistry.



RN 657407-54-0 CAPLUS

CN Benzamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-4-propoxy-, rel- (9CI) (CA INDEX NAME)

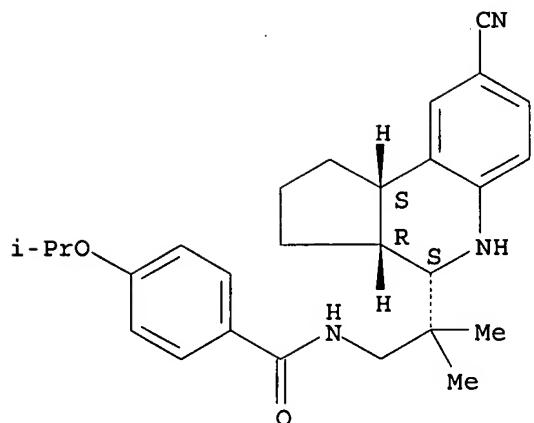
Relative stereochemistry.



RN 657407-55-1 CAPLUS

CN Benzamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-4-(1-methylethoxy)-, rel- (9CI) (CA INDEX NAME)

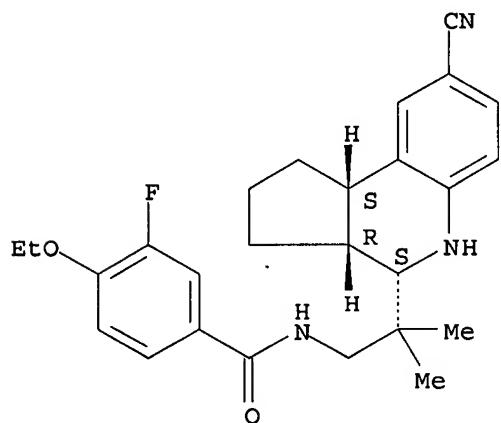
Relative stereochemistry.



RN 657407-56-2 CAPLUS

CN Benzamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-4-ethoxy-3-fluoro-, rel- (9CI)
(CA INDEX NAME)

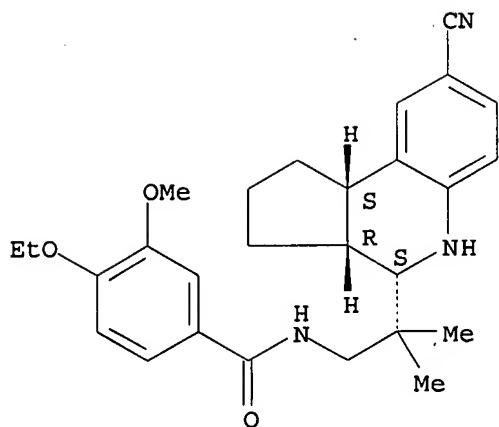
Relative stereochemistry.



RN 657407-57-3 CAPLUS

CN Benzamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-4-ethoxy-3-methoxy-, rel- (9CI)
(CA INDEX NAME)

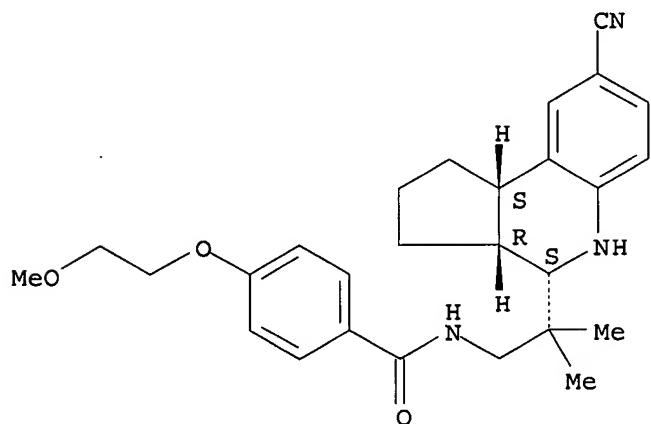
Relative stereochemistry.



RN 657407-58-4 CAPLUS

CN Benzamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-4-(2-methoxyethoxy)-, rel- (9CI) (CA INDEX NAME)

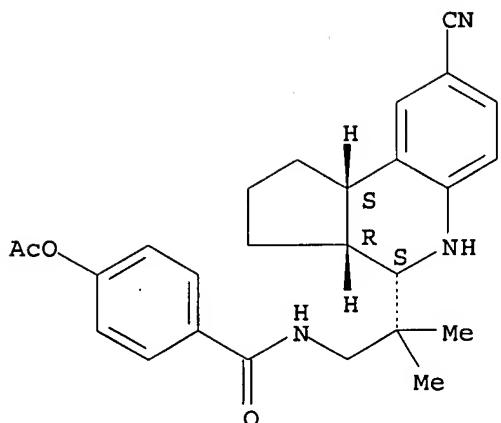
Relative stereochemistry.



RN 657407-59-5 CAPLUS

CN Benzamide, 4-(acetyloxy)-N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-, rel- (9CI) (CA INDEX NAME)

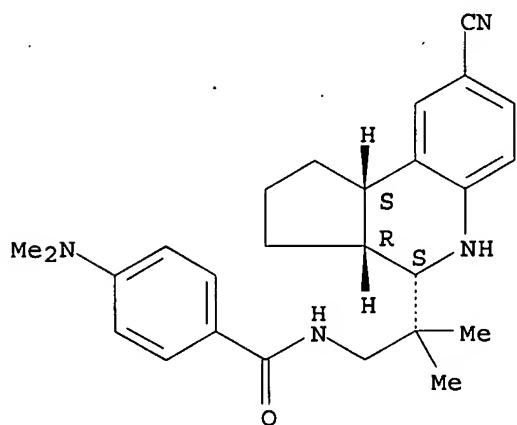
Relative stereochemistry.



RN 657407-60-8 CAPLUS

CN Benzamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-4-(dimethylamino)-, rel- (9CI) (CA INDEX NAME)

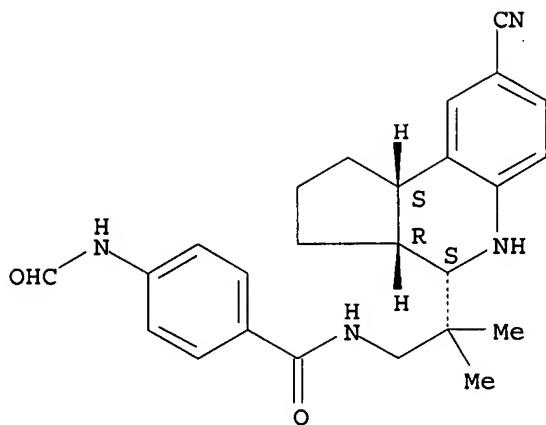
Relative stereochemistry.



RN 657407-61-9 CAPLUS

CN Benzamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-4-(formylamino)-, rel- (9CI) (CA INDEX NAME)

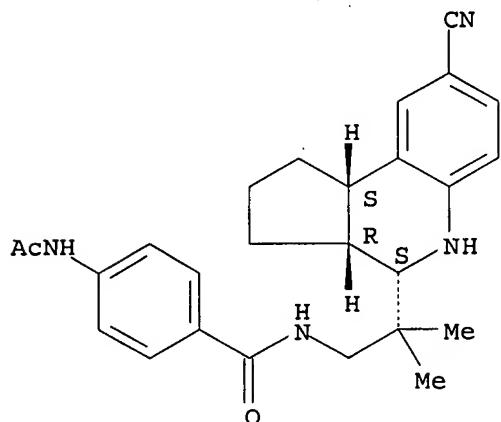
Relative stereochemistry.



RN 657407-62-0 CAPLUS

CN Benzamide, 4-(acetylamino)-N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-, rel- (9CI) (CA INDEX NAME)

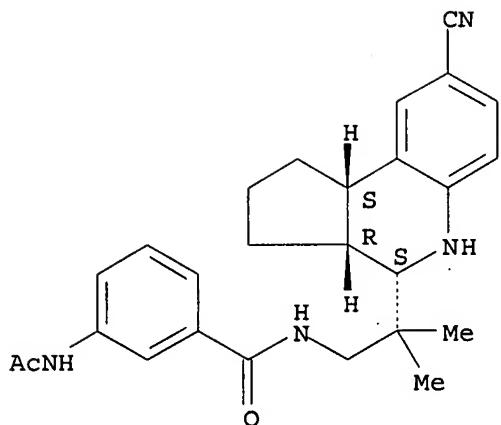
Relative stereochemistry.



RN 657407-63-1 CAPLUS

CN Benzamide, 3-(acetylamino)-N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-, rel- (9CI) (CA INDEX NAME)

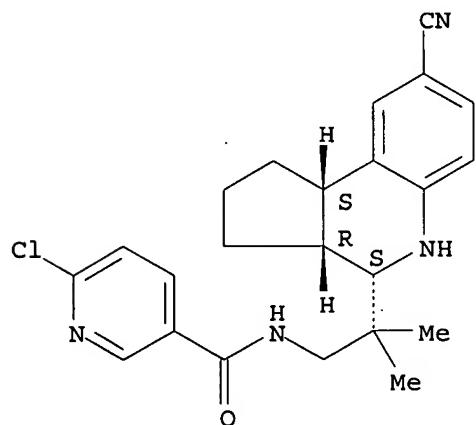
Relative stereochemistry.



RN 657407-64-2 CAPLUS

CN 3-Pyridinecarboxamide, 6-chloro-N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-, rel- (9CI) (CA INDEX NAME)

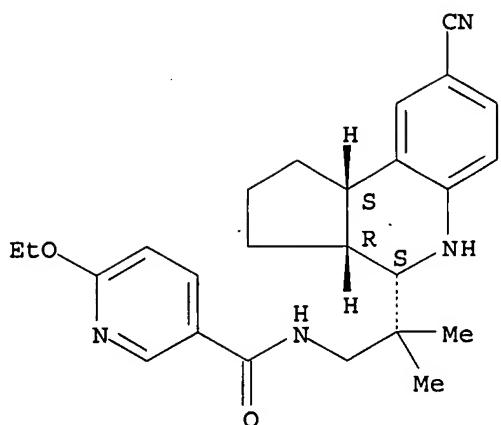
Relative stereochemistry.



RN 657407-65-3 CAPLUS

CN 3-Pyridinecarboxamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-6-ethoxy-, rel- (9CI) (CA INDEX NAME)

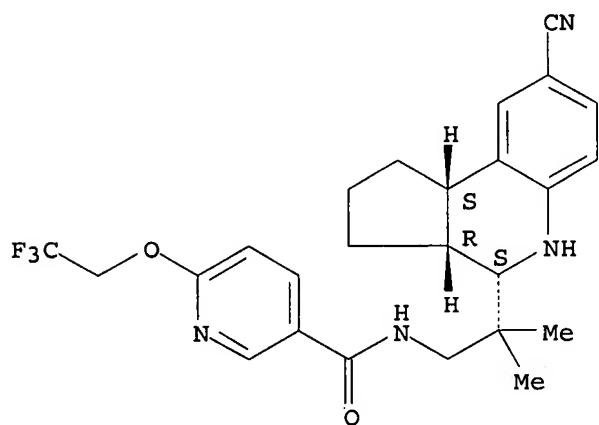
Relative stereochemistry.



RN 657407-66-4 CAPLUS

CN 3-Pyridinecarboxamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-6-(2,2,2-trifluoroethoxy)-, rel- (9CI) (CA INDEX NAME)

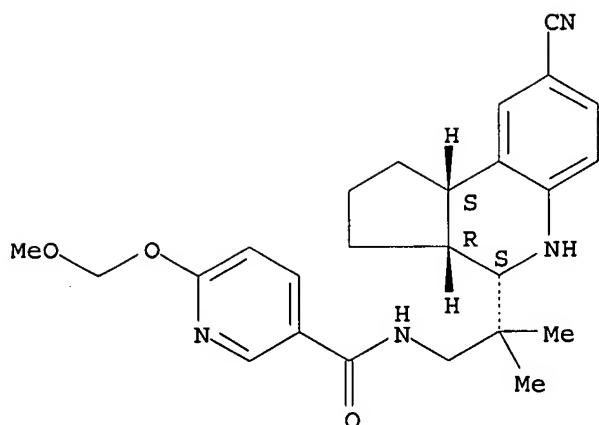
Relative stereochemistry.



RN 657407-67-5 CAPLUS

CN 3-Pyridinecarboxamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-6-(methoxymethoxy)-, rel- (9CI) (CA INDEX NAME)

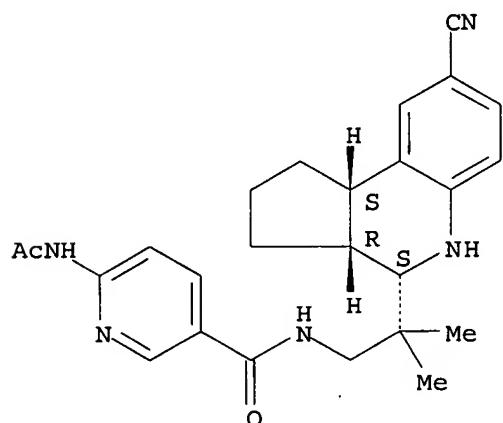
Relative stereochemistry.



RN 657407-68-6 CAPLUS

CN 3-Pyridinecarboxamide, 6-(acetylamino)-N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-, rel- (9CI) (CA INDEX NAME)

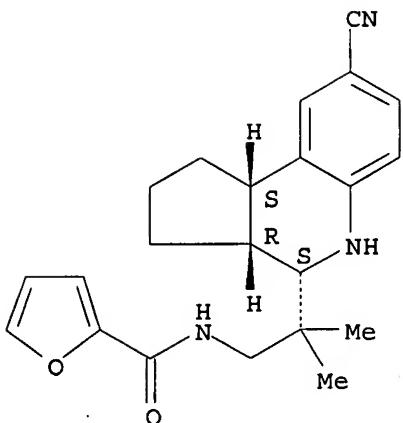
Relative stereochemistry.



RN 657407-69-7 CAPLUS

CN 2-Furancarboxamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-, rel- (9CI) (CA INDEX NAME)

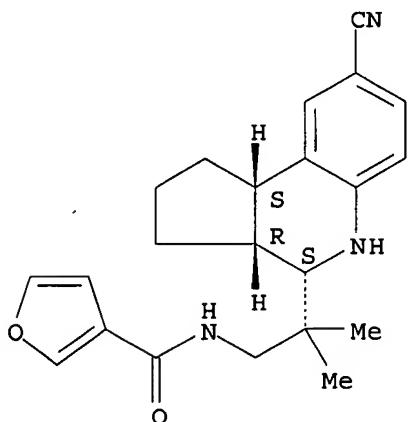
Relative stereochemistry.



RN 657407-70-0 CAPLUS

CN 3-Furancarboxamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-, rel- (9CI) (CA INDEX NAME)

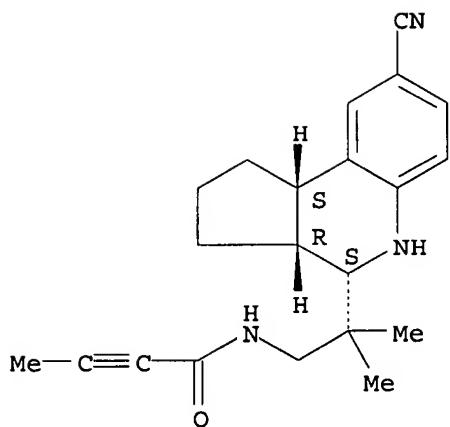
Relative stereochemistry.



RN 657407-71-1 CAPLUS

CN 2-Butynamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-, rel- (9CI) (CA INDEX NAME)

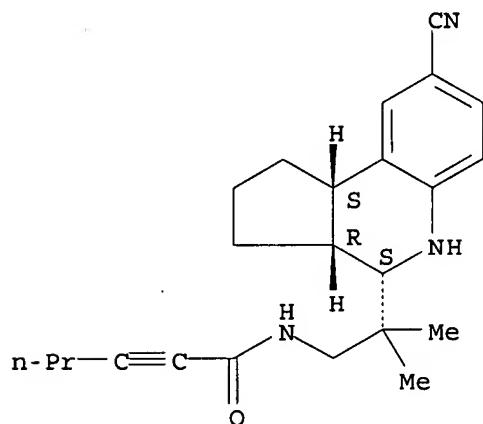
Relative stereochemistry.



RN 657407-72-2 CAPLUS

CN 2-Hexynamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-, rel- (9CI) (CA INDEX NAME)

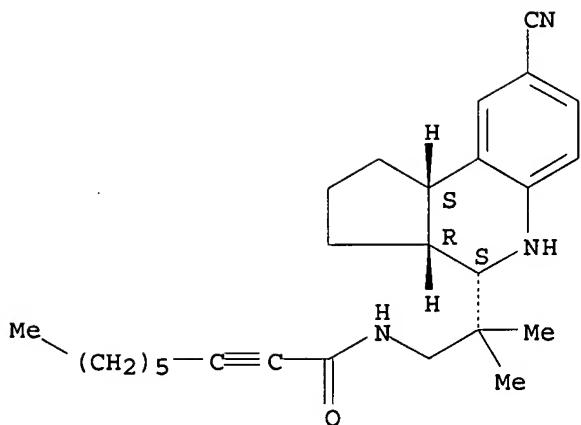
Relative stereochemistry.



RN 657407-73-3 CAPLUS

CN 2-Nonynamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-, rel- (9CI) (CA INDEX NAME)

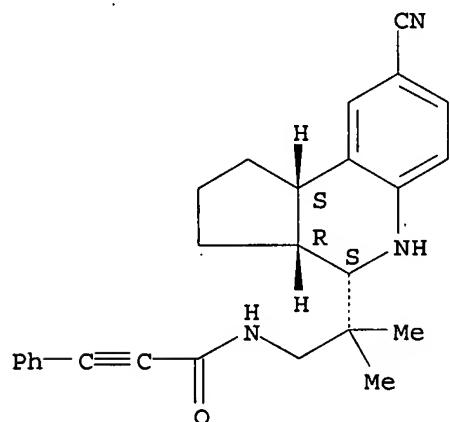
Relative stereochemistry.



RN 657407-74-4 CAPLUS

CN 2-Propynamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-3-phenyl-, rel- (9CI) (CA INDEX NAME)

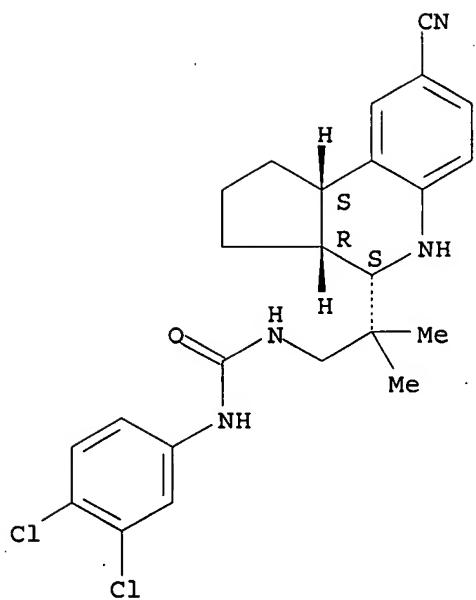
Relative stereochemistry.



RN 657407-75-5 CAPLUS

CN Urea, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-N'-(3,4-dichlorophenyl)-, rel- (9CI) (CA INDEX NAME)

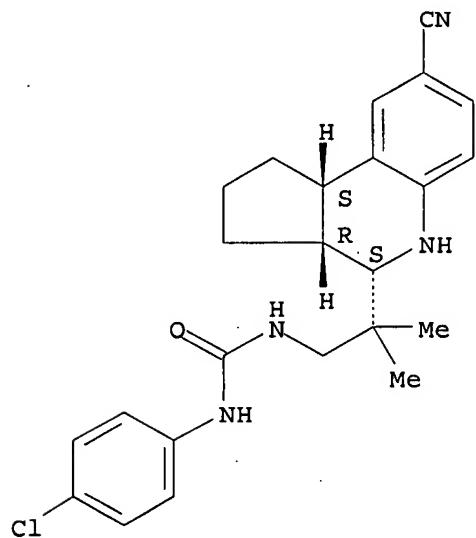
Relative stereochemistry.



RN 657407-76-6 CAPLUS

CN Urea, N-(4-chlorophenyl)-N'-(2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl)-, rel- (9CI) (CA INDEX NAME)

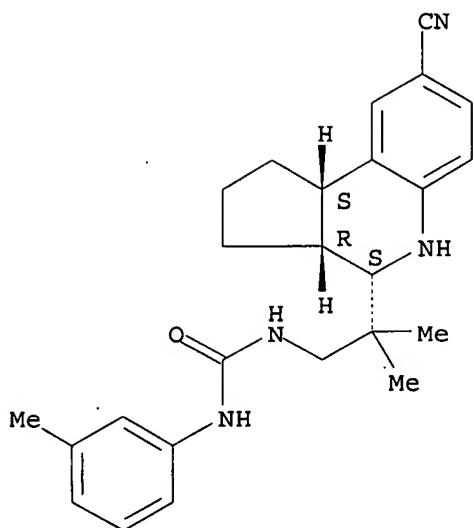
Relative stereochemistry.



RN 657407-77-7 CAPLUS

CN Urea, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-N'-(3-methylphenyl)-, rel- (9CI) (CA INDEX NAME)

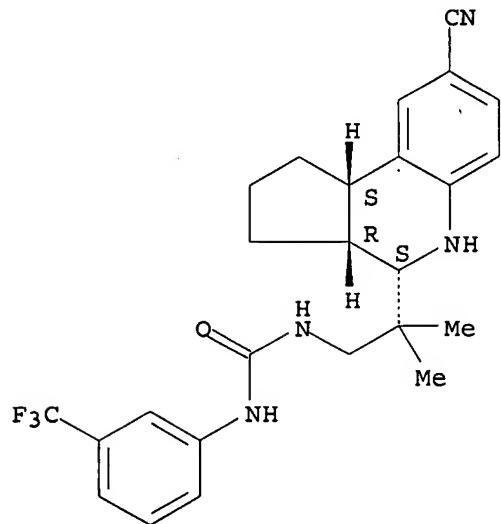
Relative stereochemistry.



RN 657407-78-8 CAPLUS

CN Urea, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-N'-(3-(trifluoromethyl)phenyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 657407-79-9P 657407-80-2P 657407-81-3P

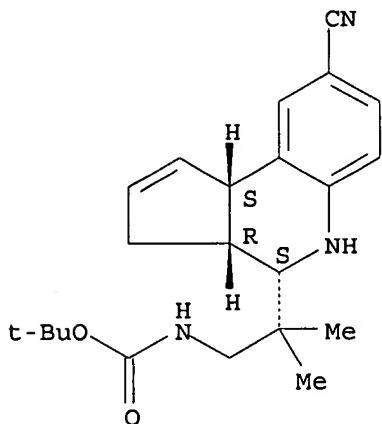
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; preparation of novel tetrahydroquinoline derivs. as androgen receptor agonists)

RN 657407-79-9 CAPLUS

CN Carbamic acid, [2-[(3aR,4S,9bS)-8-cyano-3a,4,5,9b-tetrahydro-3H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-, 1,1-dimethylethyl ester, rel- (9CI) (CA INDEX NAME)

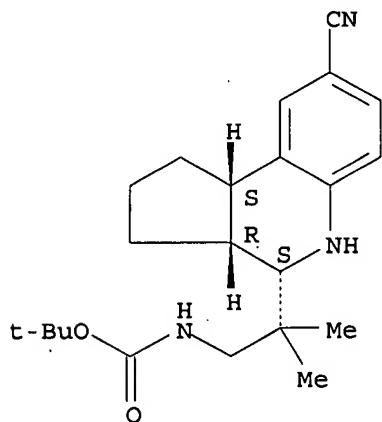
Relative stereochemistry.



RN 657407-80-2 CAPLUS

CN Carbamic acid, [2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-, 1,1-dimethylethyl ester, rel- (9CI) (CA INDEX NAME)

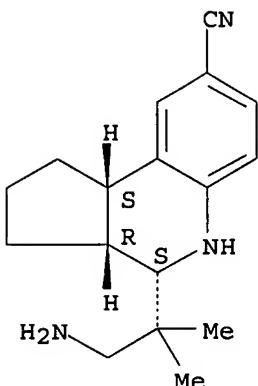
Relative stereochemistry.



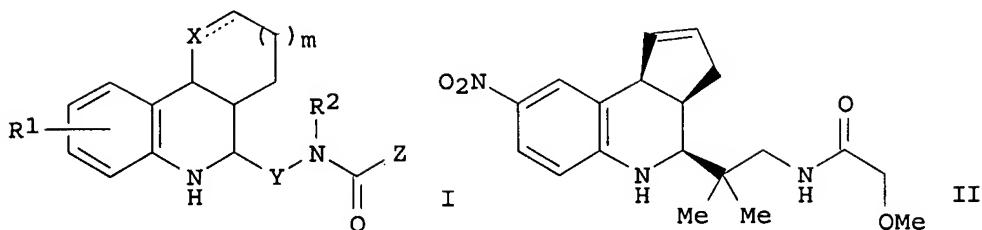
RN 657407-81-3 CAPLUS

CN 1H-Cyclopenta[c]quinoline-8-carbonitrile, 4-(2-amino-1,1-dimethylethyl)-2,3,3a,4,5,9b-hexahydro-, (3aR,4S,9bS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
GI



AB The title nonsteroidal tetrahydroquinoline derivs. with general formula of I [wherein R1 = NO₂ or CN; X = CH or O; m = 0 or 1; Y = (un)substituted alkylene; R2 = H, alkyl, cycloalkyl, or aralkyl; Z = (un)substituted alkyl, aryl, etc.] or pharmaceutically acceptable salts thereof are prepared as androgen receptor agonists. For example, the compound II was prepared in a three-step synthesis starting from 4-nitroaniline, cyclopentadiene, and tert-Bu N-(2,2,-dimethyl-3-oxopropyl)carbamate. II showed relative binding affinity of 1076 against androgen receptor in rat. Formulations containing I as an active ingredient were also described.

AN 2004:2862 CAPLUS

DN 140:59527

TI Preparation of bicyclic tetrahydroquinoline derivatives as androgen receptor agonists

IN Miyakawa, Motonori; Sumita, Yuji; Furuya, Kazuyuki; Ichikawa, Kiyonoshin; Yamamoto, Noriko; Hanada, Keigo; Amano, Seiji; Nejishima, Hiroaki

PA Kaken Pharmaceutical Co., Ltd., Japan

SO PCT Int. Appl., 85 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

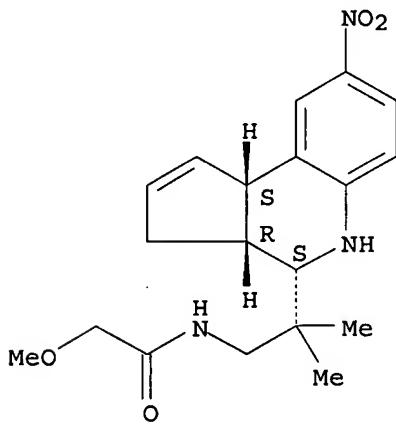
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|------|----------|-----------------|----------|
| PI | WO 2004000816 | A1 | 20031231 | WO 2003-JP7799 | 20030619 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, | | | | |

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
 PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR,
 TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
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 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 AU 2003244313 A1 20040106 AU 2003-244313 20030619
 EP 1520856 A1 20050406 EP 2003-760911 20030619
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 US 2006128737 A1 20060615 US 2005-518405 20051118
 PRAI JP 2002-179088 A 20020619
 WO 2003-JP7799 W 20030619
 OS MARPAT 140:59527
 IT 637332-77-5P 637332-79-7P 637332-81-1P
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 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)
 (drug candidate; preparation of bicyclic tetrahydroquinoline derivs. as
 androgen receptor agonists)

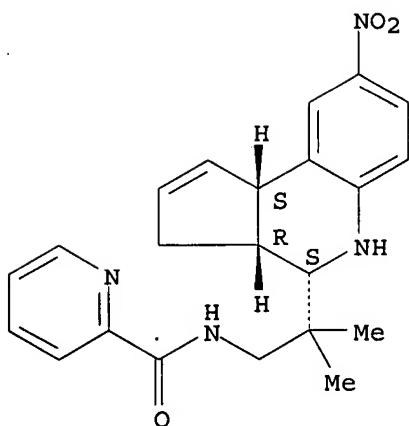
RN 637332-77-5 CAPLUS
 CN Acetamide, 2-methoxy-N-[2-methyl-2-[(3aR,4S,9bS)-3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl]propyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 637332-79-7 CAPLUS
 CN 2-Pyridinecarboxamide, N-[2-methyl-2-[(3aR,4S,9bS)-3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl]propyl]-, rel- (9CI) (CA INDEX NAME)

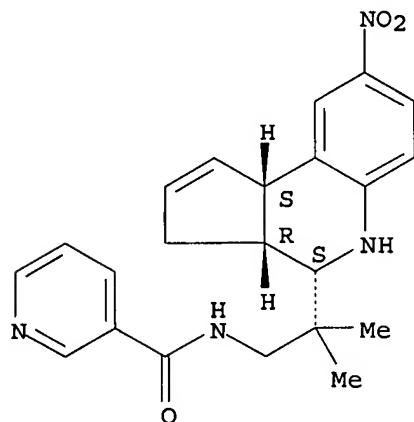
Relative stereochemistry.



RN 637332-81-1 CAPLUS

CN 3-Pyridinecarboxamide, N-[2-methyl-2-[(3aR,4S,9bS)-3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl]propyl]-, rel- (9CI) (CA INDEX NAME)

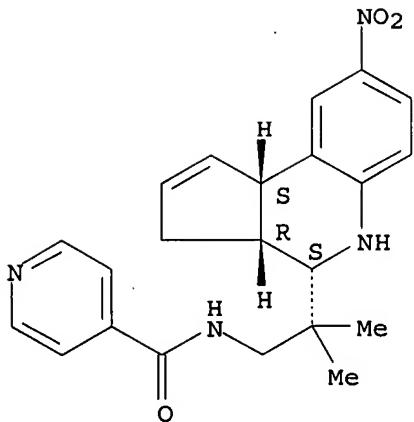
Relative stereochemistry.



RN 637332-83-3 CAPLUS

CN 4-Pyridinecarboxamide, N-[2-methyl-2-[(3aR,4S,9bS)-3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl]propyl]-, rel- (9CI) (CA INDEX NAME)

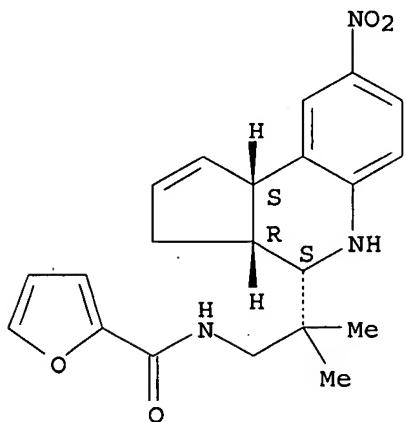
Relative stereochemistry.



RN 637332-85-5 CAPLUS

CN 2-Furancarboxamide, N-[2-methyl-2-[(3aR,4S,9bS)-3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl]propyl]-, rel- (9CI) (CA INDEX NAME)

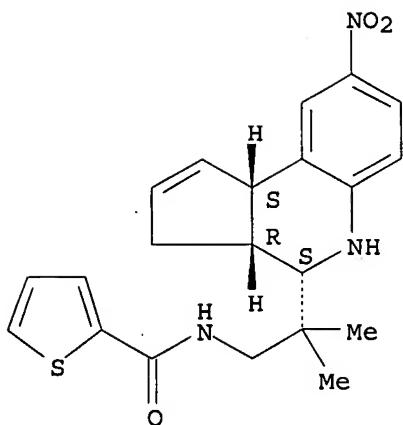
Relative stereochemistry.



RN 637332-87-7 CAPLUS

CN 2-Thiophenecarboxamide, N-[2-methyl-2-[(3aR,4S,9bS)-3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl]propyl]-, rel- (9CI) (CA INDEX NAME)

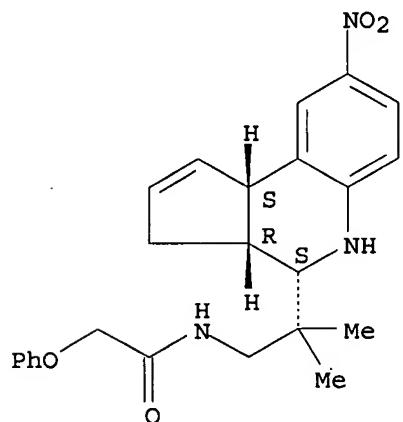
Relative stereochemistry.



RN 637332-89-9 CAPLUS

CN Acetamide, N-[2-methyl-2-[(3aR,4S,9bS)-3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl]propyl]-2-phenoxy-, rel- (9CI) (CA INDEX NAME)

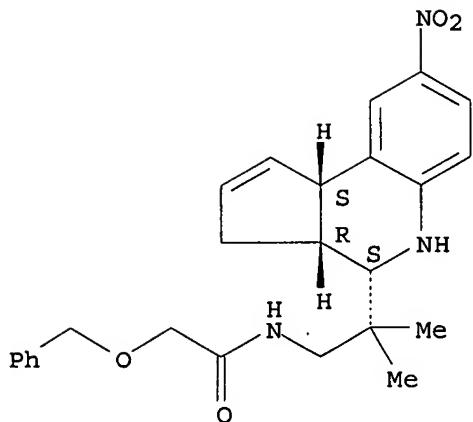
Relative stereochemistry.



RN 637332-91-3 CAPLUS

CN Acetamide, N-[2-methyl-2-[(3aR,4S,9bS)-3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl]propyl]-2-(phenylmethoxy)-, rel- (9CI) (CA INDEX NAME)

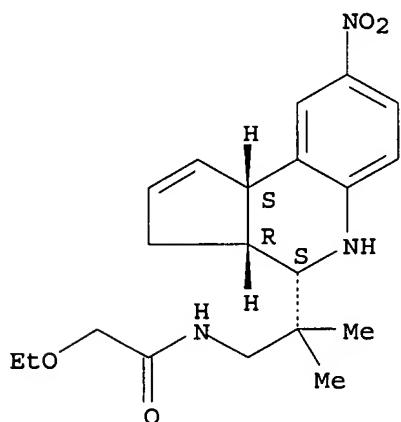
Relative stereochemistry.



RN 637333-15-4 CAPLUS

CN Acetamide, 2-ethoxy-N-[2-methyl-2-[(3aR,4S,9bS)-3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl]propyl]-, rel- (9CI) (CA INDEX NAME)

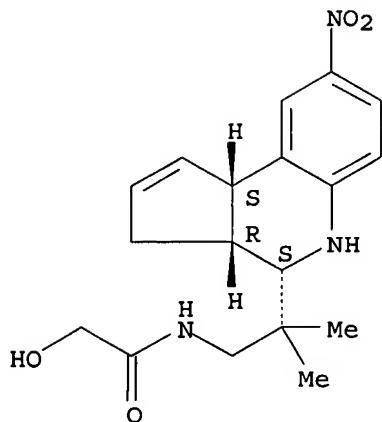
Relative stereochemistry.



RN 637333-16-5 CAPLUS

CN Acetamide, 2-hydroxy-N-[2-methyl-2-[(3aR,4S,9bS)-3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl]propyl]-, rel- (9CI) (CA INDEX NAME)

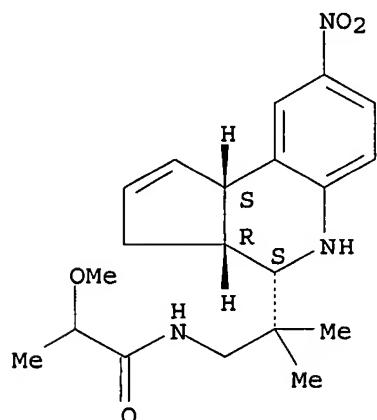
Relative stereochemistry.



RN 637333-17-6 CAPLUS

CN Propanamide, 2-methoxy-N- [2-methyl-2- [(3aR,4S,9bS)-3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl]propyl] -, rel- (9CI) (CA INDEX NAME)

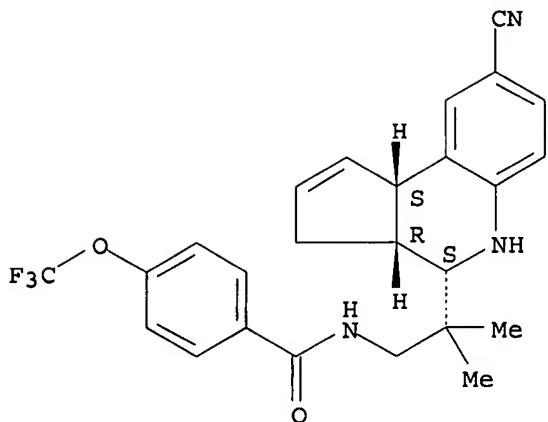
Relative stereochemistry.



RN 637333-86-9 CAPLUS

CN Benzamide, N- [2- [(3aR,4S,9bS)-8-cyano-3a,4,5,9b-tetrahydro-3H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl] -4-(trifluoromethoxy) -, rel- (9CI) (CA INDEX NAME)

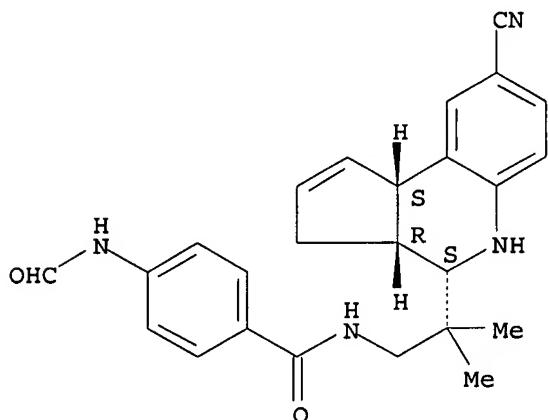
Relative stereochemistry.



RN 637333-87-0 CAPLUS

CN Benzamide, N-[2-[(3aR,4S,9bS)-8-cyano-3a,4,5,9b-tetrahydro-3H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-4-(formylamino)-, rel- (9CI) (CA INDEX NAME)

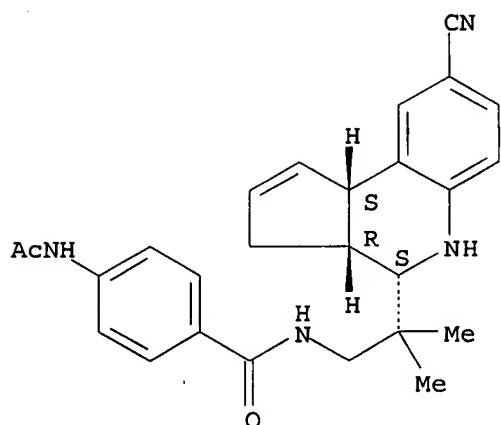
Relative stereochemistry.



RN 637333-88-1 CAPLUS

CN Benzamide, 4-(acetylamino)-N-[2-[(3aR,4S,9bS)-8-cyano-3a,4,5,9b-tetrahydro-3H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-, rel- (9CI) (CA INDEX NAME)

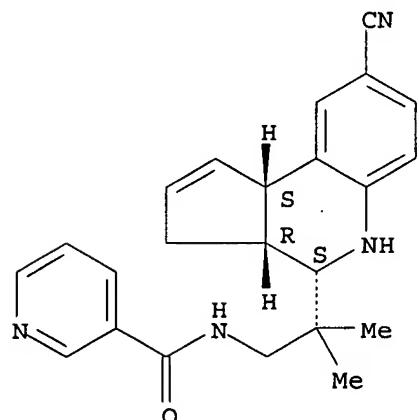
Relative stereochemistry.



RN 637333-89-2 CAPLUS

CN 3-Pyridinecarboxamide, N-[2-[(3aR,4S,9bS)-8-cyano-3a,4,5,9b-tetrahydro-3H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-, rel- (9CI) (CA INDEX NAME)

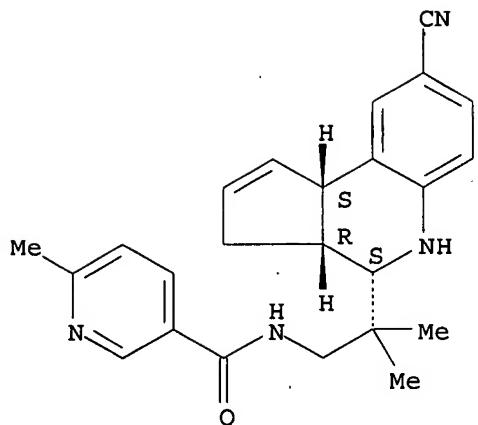
Relative stereochemistry.



RN 637333-90-5 CAPLUS

CN 3-Pyridinecarboxamide, N-[2-[(3aR,4S,9bS)-8-cyano-3a,4,5,9b-tetrahydro-3H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-6-methyl-, rel- (9CI) (CA INDEX NAME)

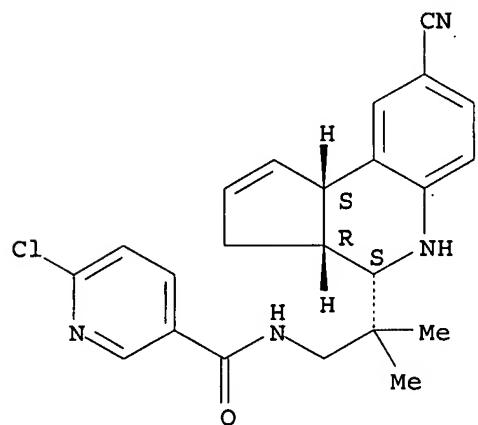
Relative stereochemistry.



RN 637333-91-6 CAPLUS

CN 3-Pyridinecarboxamide, 6-chloro-N-[2-[(3aR,4S,9bS)-8-cyano-3a,4,5,9b-tetrahydro-3H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl], rel- (9CI)
(CA INDEX NAME)

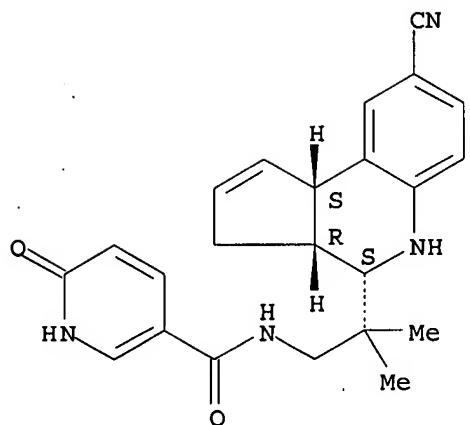
Relative stereochemistry.



RN 637333-92-7 CAPLUS

CN 3-Pyridinecarboxamide, N-[2-[(3aR,4S,9bS)-8-cyano-3a,4,5,9b-tetrahydro-3H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-1,6-dihydro-6-oxo-, rel- (9CI)
(CA INDEX NAME)

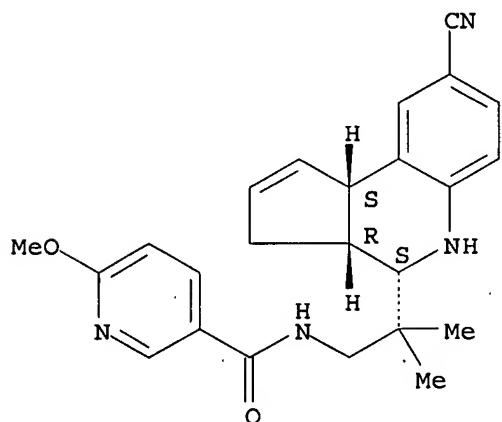
Relative stereochemistry.



RN 637333-93-8 CAPLUS

CN 3-Pyridinecarboxamide, N-[2-[(3aR,4S,9bS)-8-cyano-3a,4,5,9b-tetrahydro-3H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-6-methoxy-, rel- (9CI) (CA INDEX NAME)

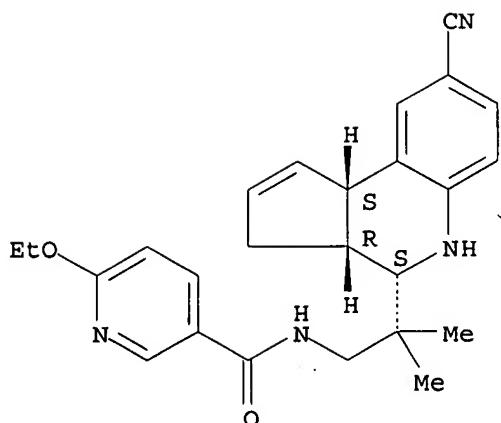
Relative stereochemistry.



RN 637333-94-9 CAPLUS

CN 3-Pyridinecarboxamide, N-[2-[(3aR,4S,9bS)-8-cyano-3a,4,5,9b-tetrahydro-3H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-6-ethoxy-, rel- (9CI) (CA INDEX NAME)

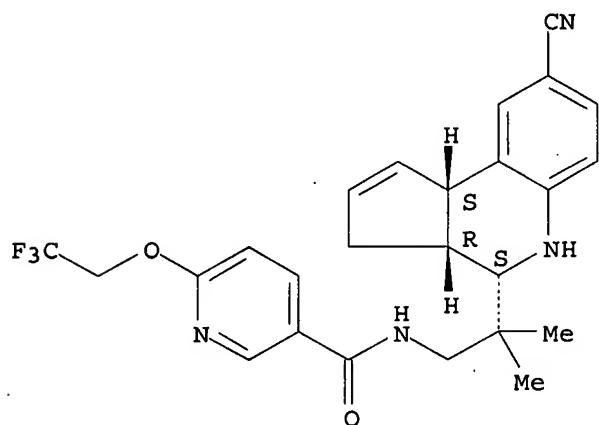
Relative stereochemistry.



RN 637333-95-0 CAPLUS

CN 3-Pyridinecarboxamide, N-[2-[(3aR,4S,9bS)-8-cyano-3a,4,5,9b-tetrahydro-3H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-6-(2,2,2-trifluoroethoxy)-, rel- (9CI) (CA INDEX NAME)

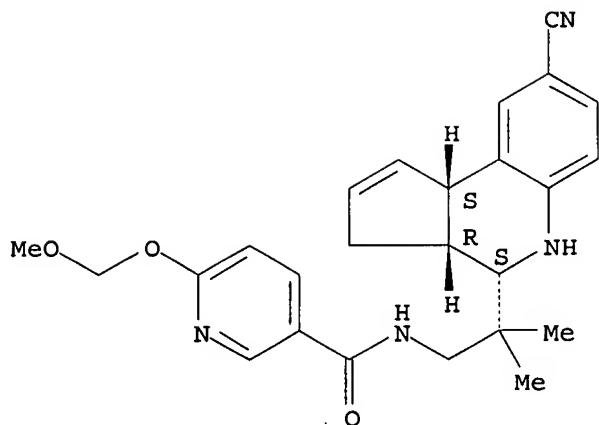
Relative stereochemistry.



RN 637333-96-1 CAPLUS

CN 3-Pyridinecarboxamide, N-[2-[(3aR,4S,9bS)-8-cyano-3a,4,5,9b-tetrahydro-3H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-6-(methoxymethoxy)-, rel- (9CI) (CA INDEX NAME)

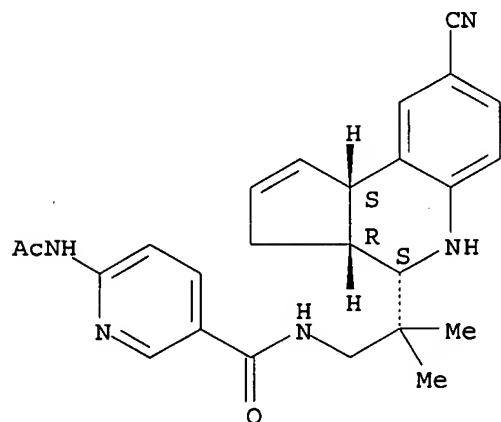
Relative stereochemistry.



RN 637333-97-2 CAPLUS

CN 3-Pyridinecarboxamide, 6-(acetylamino)-N-[2-[(3aR,4S,9bS)-8-cyano-3a,4,5,9b-tetrahydro-3H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-, rel- (9CI) (CA INDEX NAME)

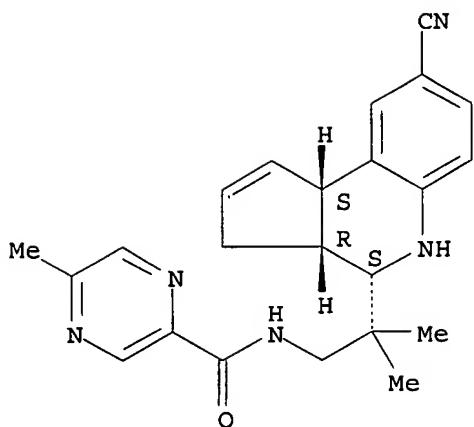
Relative stereochemistry.



RN 637333-98-3 CAPLUS

CN Pyrazinecarboxamide, N-[2-[(3aR,4S,9bS)-8-cyano-3a,4,5,9b-tetrahydro-3H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-5-methyl-, rel- (9CI) (CA INDEX NAME)

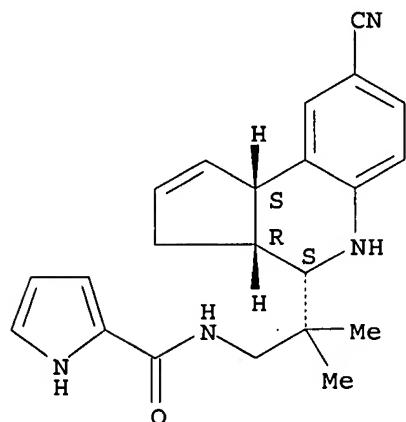
Relative stereochemistry.



RN 637333-99-4 CAPLUS

CN 1H-Pyrrole-2-carboxamide, N-[2-[(3aR,4S,9bS)-8-cyano-3a,4,5,9b-tetrahydro-3H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-, rel- (9CI) (CA INDEX NAME)

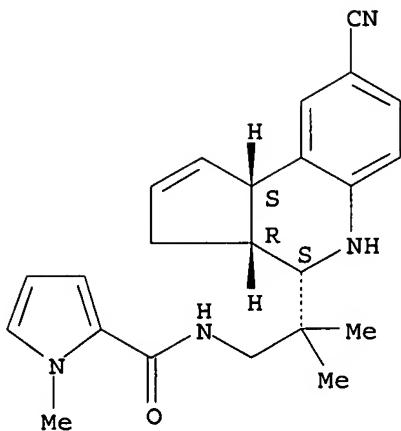
Relative stereochemistry.



RN 637334-00-0 CAPLUS

CN 1H-Pyrrole-2-carboxamide, N-[2-[(3aR,4S,9bS)-8-cyano-3a,4,5,9b-tetrahydro-3H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-1-methyl-, rel- (9CI) (CA INDEX NAME)

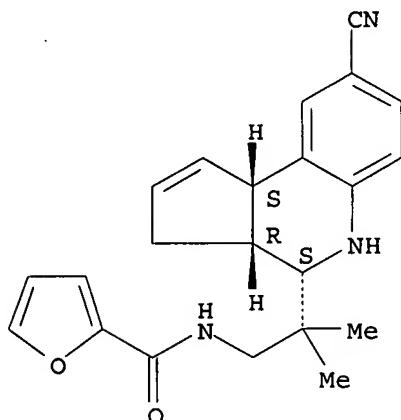
Relative stereochemistry.



RN 637334-01-1 CAPLUS

CN 2-Furancarboxamide, N-[2-[(3aR,4S,9bS)-8-cyano-3a,4,5,9b-tetrahydro-3H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



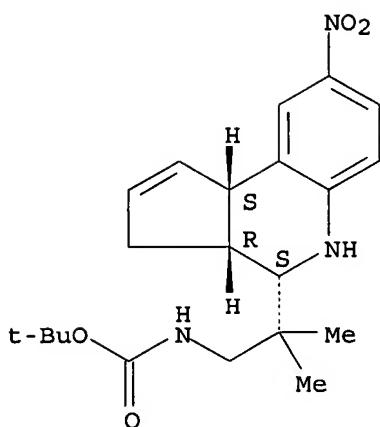
IT 637334-21-5P 637334-22-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of bicyclic tetrahydroquinoline derivs. as androgen receptor agonists)

RN 637334-21-5 CAPLUS

CN Carbamic acid, [2-methyl-2-[(3aR,4S,9bS)-3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl]propyl]-, 1,1-dimethylethyl ester, rel- (9CI) (CA INDEX NAME)

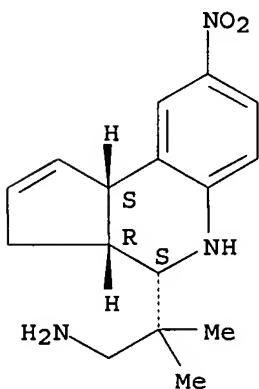
Relative stereochemistry.



RN 637334-22-6 CAPLUS

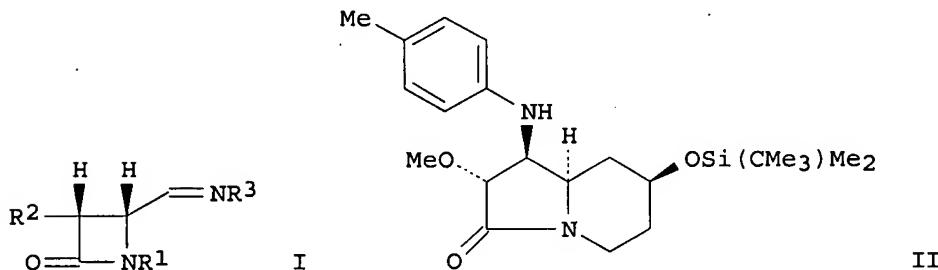
CN 3H-Cyclopenta[c]quinoline-4-ethanamine, 3a,4,5,9b-tetrahydro- β , β -dimethyl-8-nitro-, (3aR,4S,9bS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

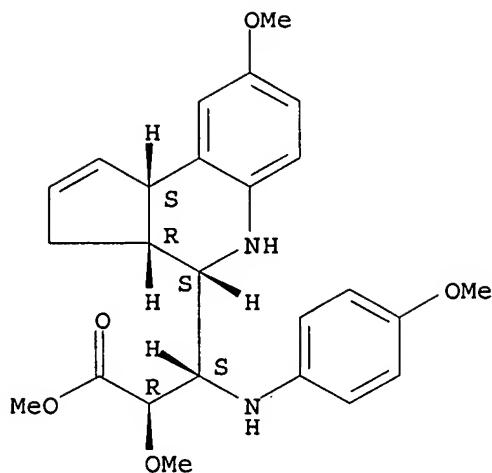
L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
GI



AB Imines derived from 4-oxoazetidine-2-carbaldehydes have been found to be versatile Diels-Alder reagents in that they exhibit two reactivity patterns. 2-Azetidinone-tethered imines such as I (R1 = p-anisyl, p-tolyl, allyl; R2 = Ph, benzyloxy, MeO; R3 = p-anisyl, benzyl) undergo diastereoselective reaction with Danishefsky's diene in the presence of different Lewis acids. The effect of the amount of catalyst on the conversion rate as well as on the product ratio has been studied. Under standard reaction conditions, indium(III) chloride and zinc(II) iodide provided the best yields, and indium(III) triflate the highest diastereoselectivity in the Lewis acid promoted aza-Diels-Alder cycloaddn. Treatment of the aforementioned imines with cyclopentadiene, 2,3-dimethyl-1,3-butadiene or 3,4-dihydro-2H-pyran led to cycloadducts arising from inverse electron-demand condensation involving the β -lactam-tethered aryl imine as the heterodiene component. In addition, the first methodol. for preparing indolizidines, e.g., II, from β -lactams has been developed. This process involves amide bond cleavage of the β -lactam ring in the aza-Diels-Alder cycloadducts with concomitant cyclization. Full chirality transfer occurs when the reaction is performed with an enantiomerically pure substrate.

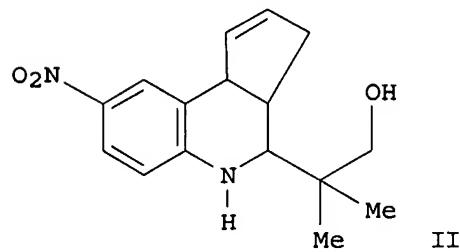
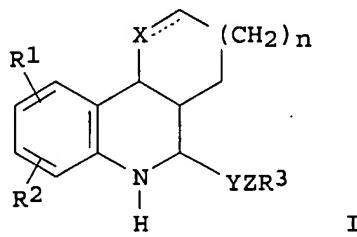
AN 2003:603224 CAPLUS
 DN 139:276789
 TI Useful dual Diels-Alder behavior of 2-azetidinone-tethered aryl imines as azadienophiles or azadienes: a β -lactam-based stereocontrolled access to optically pure, highly functionalized indolizidine systems
 AU Alcaide, Benito; Almendros, Pedro; Alonso, Jose M.; Aly, Moustafa F.
 CS Departamento de Quimica Organica I Facultad de Quimica Universidad Complutense de Madrid, Madrid, 28040, Spain
 SO Chemistry--A European Journal (2003), 9(14), 3415-3426
 CODEN: CEUJED; ISSN: 0947-6539
 PB Wiley-VCH Verlag GmbH & Co. KGaA
 DT Journal
 LA English
 OS CASREACT 139:276789
 IT 604788-73-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (dual Diels-Alder behavior of 2-azetidinone-tethered aryl imines as azadienophiles or azadienes and β -lactam-based stereocontrolled access to optically pure, highly functionalized indolizidines)
 RN 604788-73-0 CAPLUS
 CN 3H-Cyclopenta[c]quinoline-4-propanoic acid, 3a,4,5,9b-tetrahydro- α ,8-dimethoxy- β -[(4-methoxyphenyl)amino]-, methyl ester,
 (α R, β S,3aR,4S,9bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RE.CNT 75 THERE ARE 75 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
GI



AB Title compds. [I; R1 = 3-NO₂, 3-CN, 2-NO₂, 3-CH₃S, 3-CH₃SO, 3-CH₃SO₂; ; R2 = H, 1-OH; R3 = TBDPS, H, CH₂OCH₃, CH₃, CH₂CH₃, 4-FC₆H₄, COCH₃, (CH₃)₂CH; n = 0, 1; X = CH, CH₂, O; dotted bond = single, double; Y = (CH₃)₂C, CH₂CH₂, Z = NHCONH, O, NHCSNH, SO, SO₂ S, NHCO] or salts thereof, having a specific and strong binding affinity for AR and exhibiting AR agonism or antagonism; and drug compns. containing the derivs. or the salts, are prepared Thus, the title compound II was prepared and biol. tested.

AN 2001:283930 CAPLUS

DN 134:295752

TI Preparation of tetrahydroquinoline derivatives as androgen receptor regulators
 IN Hanada, Keigo; Furuya, Kazuyuki; Inoguchi, Kiyoshi; Miyakawa, Motonori;
 Nagata, Naoya

PA Kaken Pharmaceutical Co., Ltd., Japan

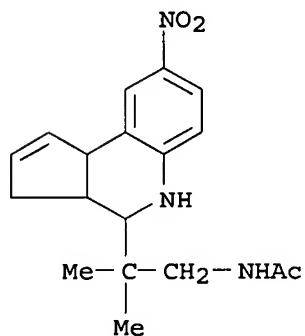
SO PCT Int. Appl., 56 pp.
 CODEN: PIXXD2

DT Patent

LA Japanese

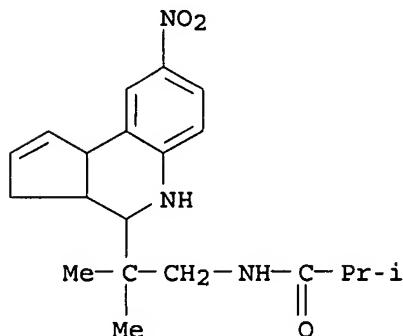
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | WO 2001027086 | A1 | 20010419 | WO 2000-JP7007 | 20001006 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
YU, ZA, ZW | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | CA 2387201 | A1 | 20010419 | CA 2000-2387201 | 20001006 |
| | AU 200075589 | A | 20010423 | AU 2000-75589 | 20001006 |
| | EP 1221439 | A1 | 20020710 | EP 2000-964738 | 20001006 |
| | EP 1221439 | B1 | 20070103 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL | | | | |
| | AT 350036 | T | 20070115 | AT 2000-964738 | 20001006 |
| | US 7037919 | B1 | 20060502 | US 2002-110636 | 20020814 |
| PRAI | JP 1999-292021 | A | 19991014 | | |
| | WO 2000-JP7007 | W | 20001006 | | |
| OS | MARPAT 134:295752 | | | | |
| IT | 334875-94-4P 334875-96-6P 334876-09-4P
334876-11-8P 334876-13-0P 334876-17-4P
334876-19-6P 334876-27-6P 334876-29-8P | | | | |
| | RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of tetrahydroquinoline derivs. as androgen receptor regulators) | | | | |
| RN | 334875-94-4 CAPLUS | | | | |
| CN | Acetamide, N-[2-methyl-2-(3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl)propyl]- (9CI) (CA INDEX NAME) | | | | |



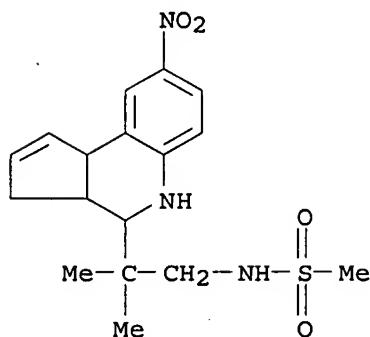
RN 334875-96-6 CAPLUS

CN Propanamide, 2-methyl-N-[2-methyl-2-(3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl)propyl]- (9CI) (CA INDEX NAME)



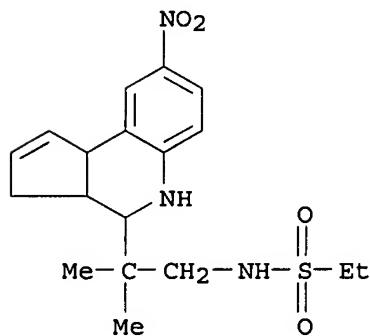
RN 334876-09-4 CAPLUS

CN Methanesulfonamide, N-[2-methyl-2-(3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl)propyl]- (9CI) (CA INDEX NAME)



RN 334876-11-8 CAPLUS

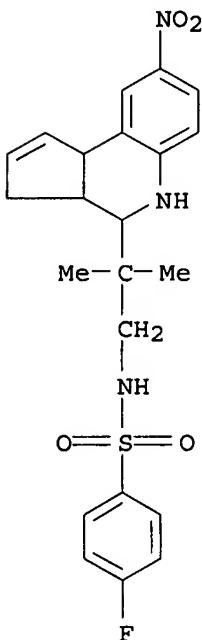
CN Ethanesulfonamide, N-[2-methyl-2-(3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl)propyl]- (9CI) (CA INDEX NAME)



RN 334876-13-0 CAPLUS

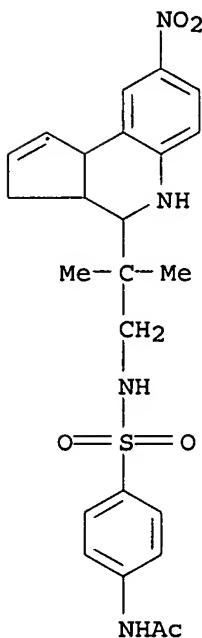
CN Benzenesulfonamide, 4-fluoro-N-[2-methyl-2-(3a,4,5,9b-tetrahydro-8-nitro-

3H-cyclopenta[c]quinolin-4-yl)propyl]- (9CI) (CA INDEX NAME)

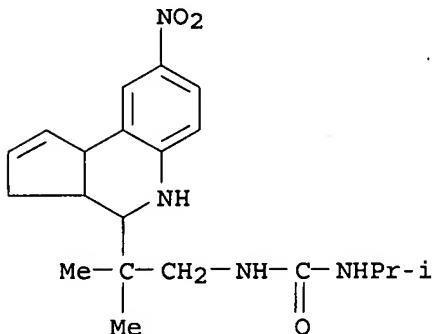


RN 334876-17-4 CAPLUS

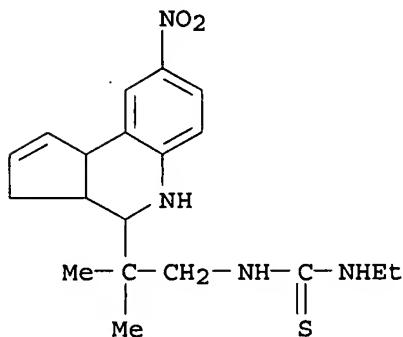
CN Acetamide, N-[4-[[[2-methyl-2-(3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl)propyl]amino]sulfonyl]phenyl]- (9CI) (CA INDEX NAME)



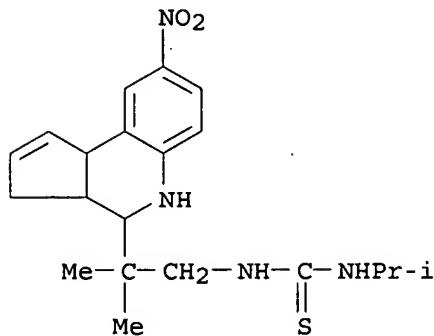
RN 334876-19-6 CAPLUS
 CN Urea, N-(1-methylethyl)-N'-[2-methyl-2-(3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl)propyl]- (9CI) (CA INDEX NAME)



RN 334876-27-6 CAPLUS
 CN Thiourea, N-ethyl-N'-[2-methyl-2-(3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl)propyl]- (9CI) (CA INDEX NAME)



RN 334876-29-8 CAPLUS
 CN Thiourea, N-(1-methylethyl)-N'-[2-methyl-2-(3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl)propyl]- (9CI) (CA INDEX NAME)



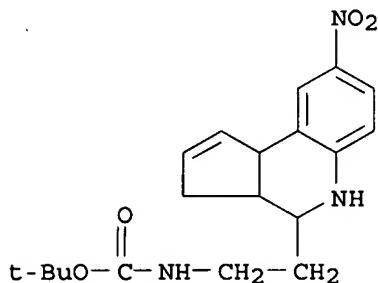
IT 334875-40-0P 334875-42-2P 334875-89-7P
 334905-51-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of tetrahydroquinoline derivs. as androgen receptor regulators)

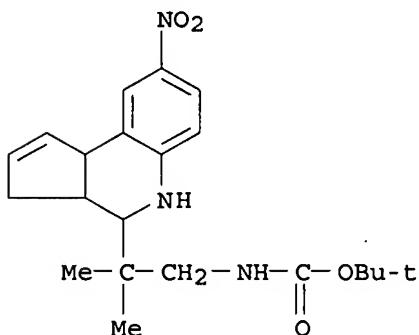
RN 334875-40-0 CAPLUS

CN Carbamic acid, [2-(3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl)ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



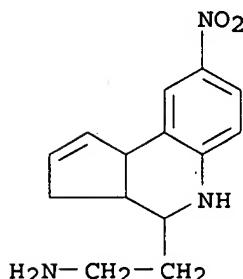
RN 334875-42-2 CAPLUS

CN Carbamic acid, [2-methyl-2-(3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl)propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 334875-89-7 CAPLUS

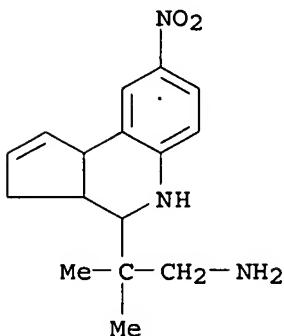
CN 3H-Cyclopenta[c]quinoline-4-ethanamine, 3a,4,5,9b-tetrahydro-8-nitro- (9CI) (CA INDEX NAME)



RN 334905-51-0 CAPLUS

CN 3H-Cyclopenta[c]quinoline-4-ethanamine, 3a,4,5,9b-tetrahydro-β,β-

dimethyl-8-nitro- (9CI) (CA INDEX NAME)

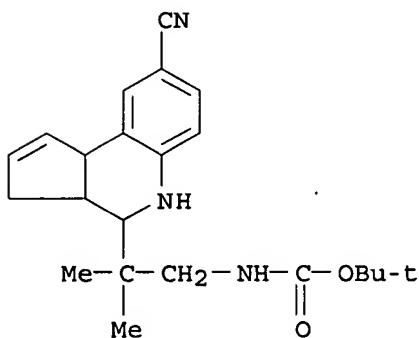


IT 334875-44-4P 334875-92-2P 334875-98-8P
 334876-00-5P 334876-02-7P 334876-04-9P
 334876-07-2P 334876-15-2P 334876-21-0P
 334876-23-2P 334876-25-4P 334876-31-2P
 334876-33-4P 334876-35-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of tetrahydroquinoline derivs. as androgen receptor regulators)

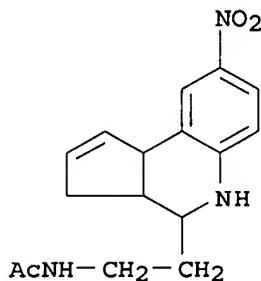
RN 334875-44-4 CAPLUS

CN Carbamic acid, [2-(8-cyano-3a,4,5,9b-tetrahydro-3H-cyclopenta[c]quinolin-4-yl)-2-methylpropyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



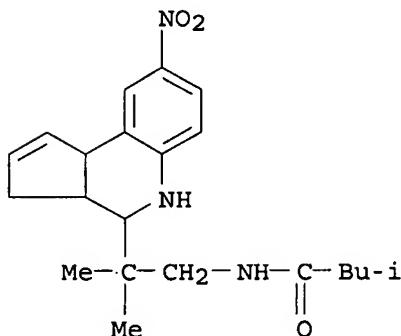
RN 334875-92-2 CAPLUS

CN Acetamide, N-[2-(3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl)ethyl]- (9CI) (CA INDEX NAME)



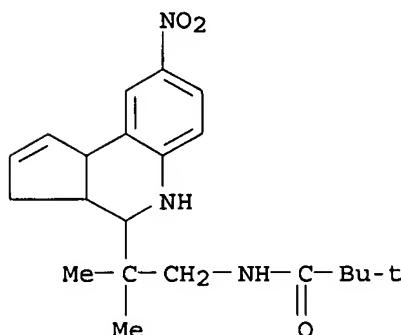
RN 334875-98-8 CAPLUS

CN Butanamide, 3-methyl-N-[2-methyl-2-(3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl)propyl]- (9CI) (CA INDEX NAME)



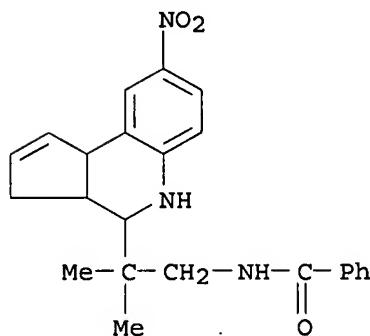
RN 334876-00-5 CAPLUS

CN Propanamide, 2,2-dimethyl-N-[2-methyl-2-(3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl)propyl]- (9CI) (CA INDEX NAME)



RN 334876-02-7 CAPLUS

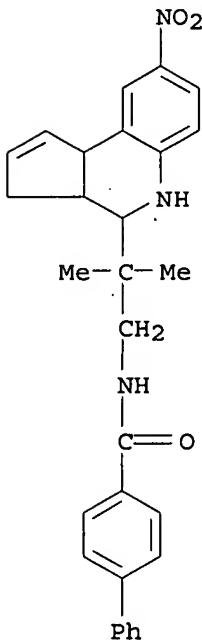
CN Benzamide, N-[2-methyl-2-(3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl)propyl]- (9CI) (CA INDEX NAME)



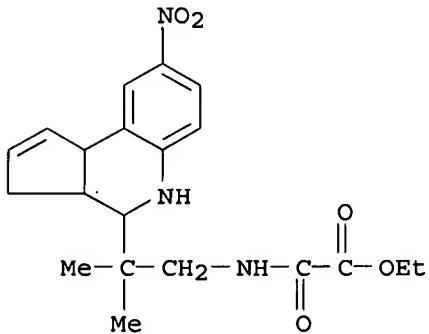
RN 334876-04-9 CAPLUS

CN [1,1'-Biphenyl]-4-carboxamide, N-[2-methyl-2-(3a,4,5,9b-tetrahydro-8-nitro-

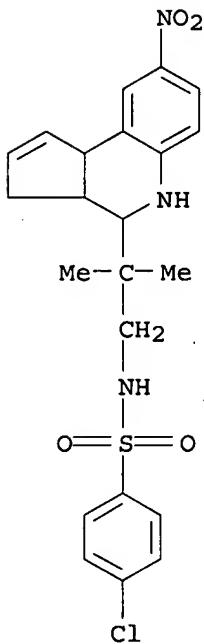
3H-cyclopenta[c]quinolin-4-yl)propyl]- (9CI) (CA INDEX NAME)



RN 334876-07-2 CAPLUS
 CN Acetic acid, [[2-methyl-2-(3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl)propyl]amino]oxo-, ethyl ester (9CI) (CA INDEX NAME)



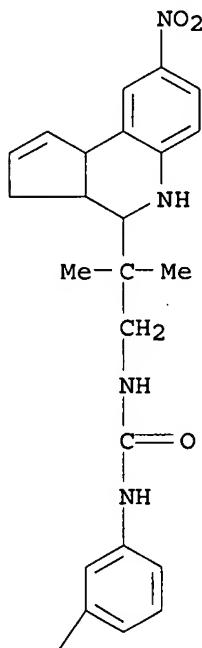
RN 334876-15-2 CAPLUS
 CN Benzenesulfonamide, 4-chloro-N-[2-methyl-2-(3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl)propyl]- (9CI) (CA INDEX NAME)



RN 334876-21-0 CAPLUS

CN Urea, N-(3-methylphenyl)-N'-(2-methyl-2-(3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl)propyl)- (9CI) (CA INDEX NAME)

PAGE 1-A



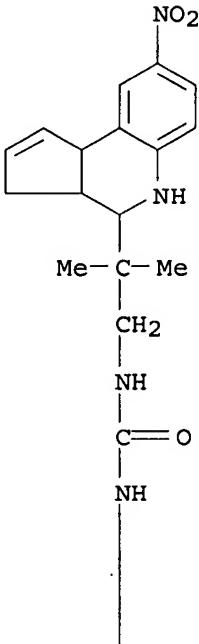
PAGE 2-A



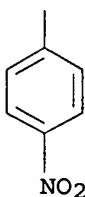
RN 334876-23-2 CAPLUS

CN Urea, N-[2-methyl-2-(3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl)propyl]-N'-(4-nitrophenyl)- (9CI) (CA INDEX NAME)

PAGE 1-A

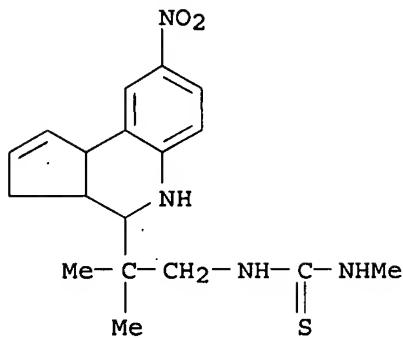


PAGE 2-A



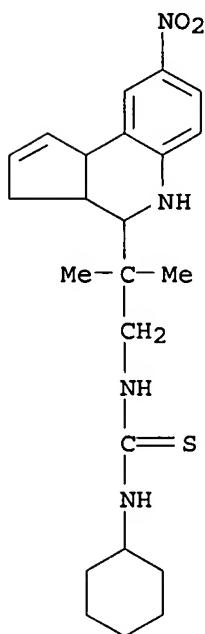
RN 334876-25-4 CAPLUS

CN Thiourea, N-methyl-N'-[2-methyl-2-(3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl)propyl]- (9CI) (CA INDEX NAME)



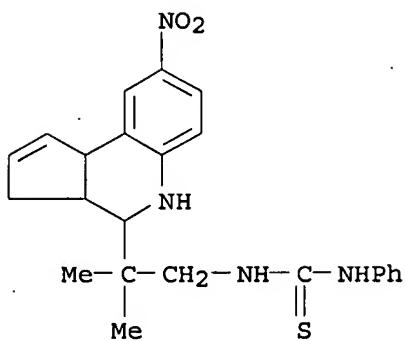
RN 334876-31-2 CAPLUS

CN Thiourea, N-cyclohexyl-N'-(2-methyl-2-(3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl)propyl)- (9CI) (CA INDEX NAME)



RN 334876-33-4 CAPLUS

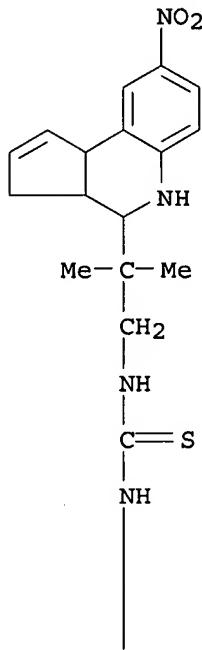
CN Thiourea, N-[2-methyl-2-(3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl)propyl]-N'-phenyl- (9CI) (CA INDEX NAME)



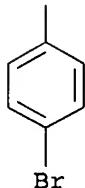
RN 334876-35-6 CAPLUS

CN Thiourea, N-(4-bromophenyl)-N'-(2-methyl-2-(3a,4,5,9b-tetrahydro-8-nitro-3H-cyclopenta[c]quinolin-4-yl)propyl)-(9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

| | | | |
|--|------------|---------|--|
| => FIL STNGUIDE | | | |
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL | |
| | ENTRY | SESSION | |
| FULL ESTIMATED COST | 37.83 | 210.14 | |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL | |
| | ENTRY | SESSION | |
| CA SUBSCRIBER PRICE | -5.46 | -5.46 | |

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FILE CONTAINS CURRENT INFORMATION.
 LAST RELOADED: May 25, 2007 (20070525/UP).

=> stn guide.
 'GUIDE.' IS NOT A VALID FILE NAME
 ENTER A FILE NAME OR (IGNORE):ignore
 AT LEAST TWO FILES ARE NEEDED FOR STNINDEX
 SESSION CONTINUES IN THE PREVIOUS FILE ENVIRONMENT
 To see a list of files and clusters that may be used in the INDEX
 command, enter HELP FILE NAMES or HELP CLUSTER NAMES at an arrow
 prompt. Only the learning files and NBSFLUIDS may not be used in
 STNINDEX.

| | | | |
|--|------------|---------|--|
| => file stnguide | | | |
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL | |
| | ENTRY | SESSION | |
| FULL ESTIMATED COST | 0.48 | 210.62 | |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL | |
| | ENTRY | SESSION | |
| CA SUBSCRIBER PRICE | 0.00 | -5.46 | |

FILE 'STNGUIDE' ENTERED AT 15:25:16 ON 30 MAY 2007
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FILE CONTAINS CURRENT INFORMATION.
 LAST RELOADED: May 25, 2007 (20070525/UP).

=>
 Connection closed by remote host

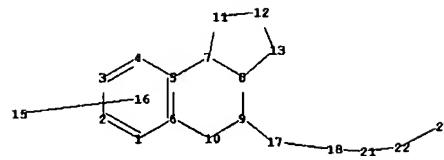
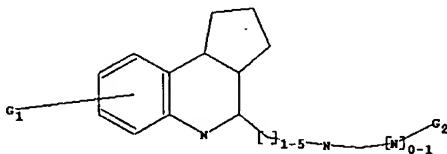
TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10522553.str



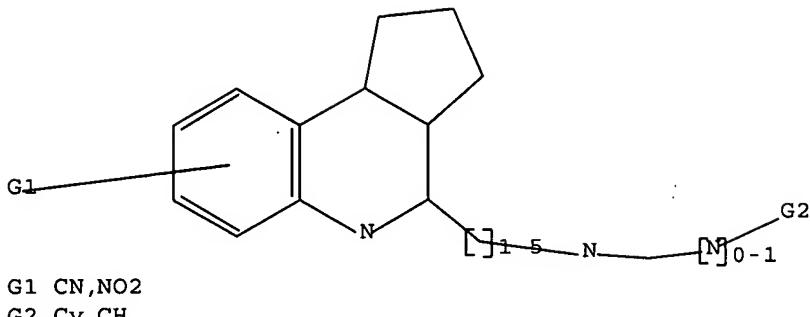
chain nodes :
15 17 18 21 22 27
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13
chain bonds :
9-17 17-18 18-21 21-22 22-27
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-13 9-10 11-12 12-13
exact/norm bonds :
5-7 6-10 7-8 7-11 8-9 8-13 9-10 11-12 12-13 17-18 18-21 21-22 22-27
exact bonds :
9-17
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

G1:CN,NO2

G2:Cy,CH

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
21:CLASS 22:CLASS 27:CLASS

=> d 14
L4 HAS NO ANSWERS
L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 14
SAMPLE SEARCH INITIATED 13:44:35 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 58 TO ITERATE

100.0% PROCESSED 58 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 704 TO 1616
PROJECTED ANSWERS: 1 TO 80

L5 1 SEA SSS SAM L4

=> s 14 ful
FULL SEARCH INITIATED 13:44:40 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1288 TO ITERATE

100.0% PROCESSED 1288 ITERATIONS 29 ANSWERS
SEARCH TIME: 00.00.01

L6 29 SEA SSS FUL L4

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 172.10 345.31

FILE 'CAPLUS' ENTERED AT 13:44:43 ON 30 MAY 2007
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FILE COVERS 1907 - 30 May 2007 VOL 146 ISS 23
FILE LAST UPDATED: 29 May 2007 (20070529/ED)

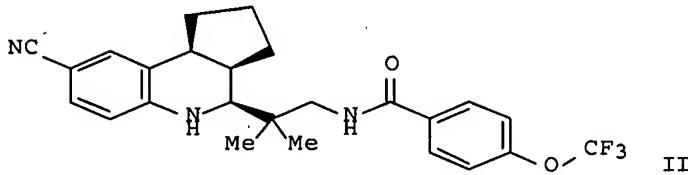
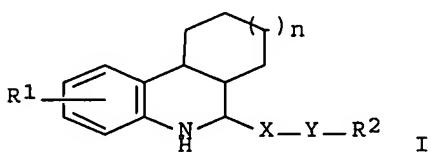
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=> s 16
L7 1 L6

=> d abs bib fhitstr

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
GI



AB The title nonsteroidal tetrahydroquinoline deriv. with general formula of I [wherein R1 = NO₂ or CN; n = 0 or 1; X = (un)substituted alkylene; Y = (un)substituted NHCO, NHSO₂, NHCONH, or NHCSNH; R2 = (un)substituted Ph, heteroaryl, etc.] or pharmaceutically acceptable salts thereof are prepared as androgen receptor agonists, particularly on skeletal muscle tissues and bone tissues without showing any excessive effect on prostatic gland. For example, 4-aminobenzonitrile was reacted with cyclopentadiene and N-(2,2-dimethyl-3-oxopropyl)carbamic acid tert-Bu ester in MeCN in the presence of CF₃CO₂H, followed by hydrogenation, hydrolysis, and reacted with 4-trifluoromethoxybenzoic acid to give the amide II. The compds. I showed strong binding inhibitory activity against androgen receptor in rat. Formulations containing I as an active ingredient were also described.

AN 2004:120829 CAPLUS Full-text

DN 140:181335

TI Preparation of novel tetrahydroquinoline derivatives as androgen receptor agonists

IN Miyakawa, Motonori; Oguro, Nao; Hanada, Keigo; Furuya, Kazuyuki; Yamamoto, Noriko

PA Kaken Pharmaceutical Co., Ltd., Japan

SO PCT Int. Appl., 55 pp.

CODEN: PIXXD2

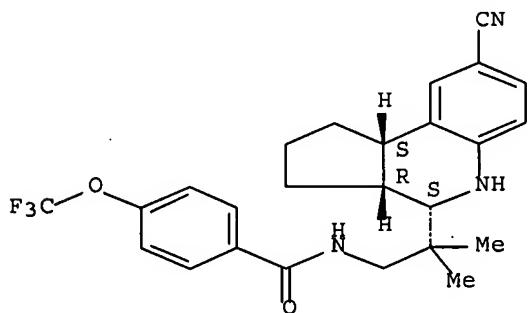
DT Patent

LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2004013104 | A1 | 20040212 | WO 2003-JP9815 | 20030801 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 2003252333 | A1 | 20040223 | AU 2003-252333 | 20030801 |
| | EP 1541560 | A1 | 20050615 | EP 2003-766703 | 20030801 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| | US 2005277660 | A1 | 20051215 | US 2005-522553 | 20050201 |
| PRAI | JP 2002-225300 | A | 20020801 | | |
| | WO 2003-JP9815 | W | 20030801 | | |
| OS | MARPAT 140:181335 | | | | |
| IT | 657407-46-0P | | | | |
| | RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) | | | | |
| | (drug candidate; preparation of novel tetrahydroquinoline derivs. as androgen receptor agonists) | | | | |
| RN | 657407-46-0 CAPLUS | | | | |
| CN | Benzamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-4-(trifluoromethoxy)-, rel-(9CI) (CA INDEX NAME) | | | | |

Relative stereochemistry.



=> file registry
COST IN U.S. DOLLARS
FULL ESTIMATED COST

| SINCE FILE
ENTRY | TOTAL
SESSION |
|---------------------|------------------|
| 6.68 | 351.99 |

| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
|--|------------------|---------------|
| CA SUBSCRIBER PRICE | -0.78 | -0.78 |

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 DICTIONARY FILE UPDATES: 29 MAY 2007 HIGHEST RN 936074-26-9

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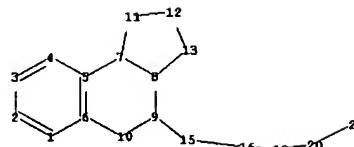
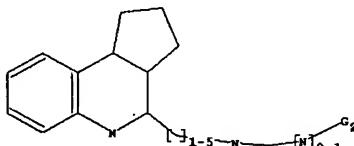
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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
 Uploading C:\Program Files\Stnexp\Queries\10522553.str



chain nodes :
 15 16 19 20 25

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13

chain bonds :

9-15 15-16 16-19 19-20 20-25

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-13 9-10 11-12 12-13

exact/norm bonds :

5-7 6-10 7-8 8-9 9-10 15-16 16-19 19-20 20-25

exact bonds :

7-11 8-13 9-15 11-12 12-13

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :
containing 1 :

G1:CN,NO2

G2:Cy,Ak,C

Match level :

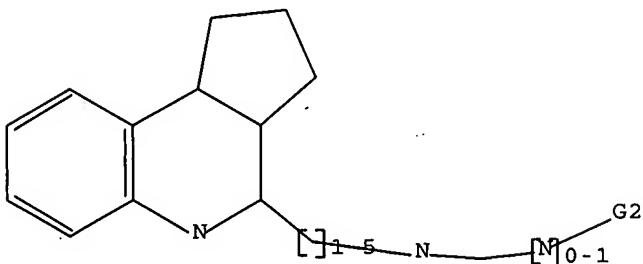
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 15:CLASS 16:CLASS 19:CLASS 20:CLASS
25:CLASS

L8 STRUCTURE UPLOADED

=> d 18

L8 HAS NO ANSWERS

L8 STR



G1 CN,NO2

G2 Cy,Ak,C

Structure attributes must be viewed using STN Express query preparation.

=> s 18

SAMPLE SEARCH INITIATED 13:47:02 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 378 TO ITERATE

100.0% PROCESSED 378 ITERATIONS
SEARCH TIME: 00.00.01

1 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 6394 TO 8726
PROJECTED ANSWERS: 1 TO 80

L9 1 SEA SSS SAM L8

=> s 18 ful

FULL SEARCH INITIATED 13:47:07 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 7982 TO ITERATE

100.0% PROCESSED 7982 ITERATIONS

33 ANSWERS

SEARCH TIME: 00.00.01

L10 33 SEA SSS FUL L8

| | | |
|--|------------|---------|
| => file caplus | SINCE FILE | TOTAL |
| COST IN U.S. DOLLARS | ENTRY | SESSION |
| FULL ESTIMATED COST | 172.10 | 524.09 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| CA SUBSCRIBER PRICE | 0.00 | -0.78 |

FILE 'CAPLUS' ENTERED AT 13:47:23 ON 30 MAY 2007
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FILE LAST UPDATED: 29 May 2007 (20070529/ED)

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=> s l10
L11 1 L10

=> s l11 not 17
L12 0 L11 NOT L7

| | | |
|--|------------|---------|
| => file registry | SINCE FILE | TOTAL |
| COST IN U.S. DOLLARS | ENTRY | SESSION |
| FULL ESTIMATED COST | 0.47 | 524.56 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| CA SUBSCRIBER PRICE | 0.00 | -0.78 |

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DICTIONARY FILE UPDATES: 29 MAY 2007 HIGHEST RN 936074-26-9

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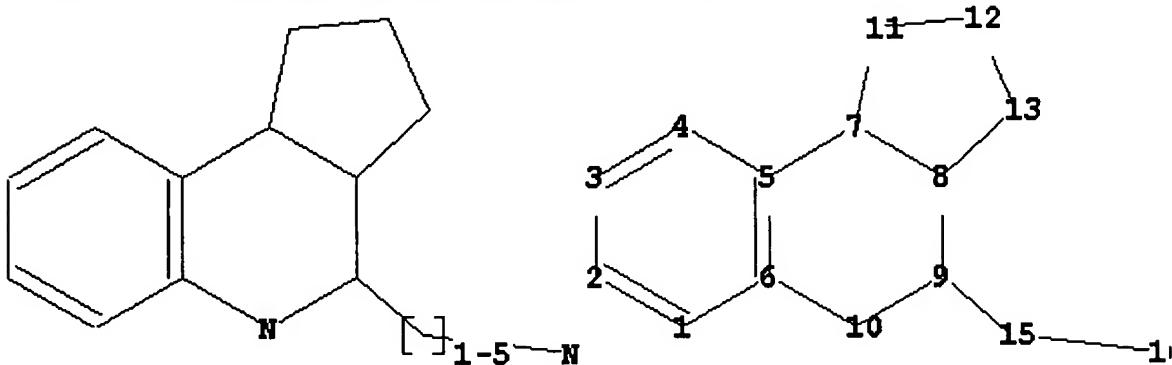
TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10522553.str



chain nodes :

15 16

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13

chain bonds :

9-15 15-16

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-13 9-10 11-12 12-13

exact/norm bonds :

5-7 6-10 7-8 8-9 9-10 15-16

exact bonds :

7-11 8-13 9-15 11-12 12-13

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

G1:CN,NO2

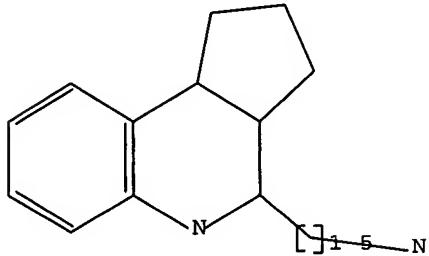
G2:Cy,Ak,C

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 15:CLASS 16:CLASS

L13 STRUCTURE UPLOADED

=> d l13
L13 HAS NO ANSWERS
L13 STR



G1 CN,NO2
G2 Cy,Ak,C

Structure attributes must be viewed using STN Express query preparation.

=> s l13
SAMPLE SEARCH INITIATED 13:48:38 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 382 TO ITERATE

100.0% PROCESSED 382 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
PROJECTED ITERATIONS: 6468 TO 8812
PROJECTED ANSWERS: 1 TO 80

L14 1 SEA SSS SAM L13

=> s l13 ful
FULL SEARCH INITIATED 13:48:43 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 8053 TO ITERATE

100.0% PROCESSED 8053 ITERATIONS 35 ANSWERS
SEARCH TIME: 00.00.01

L15 35 SEA SSS FUL L13

=> d his

(FILE 'HOME' ENTERED AT 13:42:08 ON 30 MAY 2007)

FILE 'REGISTRY' ENTERED AT 13:42:24 ON 30 MAY 2007
L1 STRUCTURE UPLOADED
L2 0 S L1
L3 0 S L1 FUL

FILE 'REGISTRY' ENTERED AT 13:44:15 ON 30 MAY 2007
L4 STRUCTURE UPLOADED

L5 1 S L4
L6 29 S L4 FUL

FILE 'CPLUS' ENTERED AT 13:44:43 ON 30 MAY 2007
L7 1 S L6

FILE 'REGISTRY' ENTERED AT 13:46:40 ON 30 MAY 2007
L8 STRUCTURE UPLOADED
L9 1 S L8
L10 33 S L8 FUL

FILE 'CPLUS' ENTERED AT 13:47:23 ON 30 MAY 2007
L11 1 S L10
L12 0 S L11 NOT L7

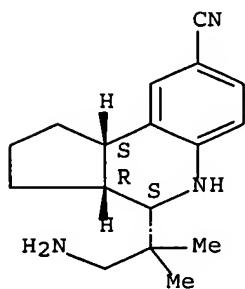
FILE 'REGISTRY' ENTERED AT 13:48:16 ON 30 MAY 2007
L13 STRUCTURE UPLOADED
L14 1 S L13
L15 35 S L13 FUL

=> s l15 not l10
L16 2 L15 NOT L10

=> d 1-2

L16 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2007 ACS on STN
RN 657407-81-3 REGISTRY
ED Entered STN: 03 Mar 2004
CN 1H-Cyclopenta[c]quinoline-8-carbonitrile, 4-(2-amino-1,1-dimethylethyl)-
2,3,3a,4,5,9b-hexahydro-, (3aR,4S,9bS)-rel- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C17 H23 N3
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Relative stereochemistry.



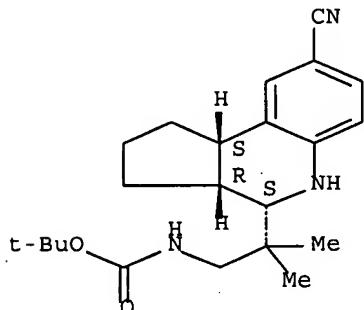
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L16 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2007 ACS on STN
RN 657407-80-2 REGISTRY
ED Entered STN: 03 Mar 2004

CN Carbamic acid, [2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-, 1,1-dimethylethyl ester,
rel- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C22 H31 N3 O2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> FIL REGISTRY

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|--|------------------|---------------|
| FULL ESTIMATED COST | 176.45 | 701.01 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
| CA SUBSCRIBER PRICE | 0.00 | -0.78 |

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DICTIONARY FILE UPDATES: 29 MAY 2007 HIGHEST RN 936074-26-9

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=> SET TERMSET E#

SET COMMAND COMPLETED

=> DEL SEL Y

=> SEL L16 1 RN

E1 THROUGH E1 ASSIGNED

=> S E1/RN

L17 1 657407-81-3/RN

=> SET TERMSET LOGIN

SET COMMAND COMPLETED

=> FIL USPATFULL

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|--|------------------|---------------|
| FULL ESTIMATED COST | 0.53 | 701.54 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
| CA SUBSCRIBER PRICE | 0.00 | -0.78 |

FILE 'USPATFULL' ENTERED AT 13:49:32 ON 30 MAY 2007
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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 29 May 2007 (20070529/PD)
FILE LAST UPDATED: 29 May 2007 (20070529/ED)

HIGHEST GRANTED PATENT NUMBER: US7225469

HIGHEST APPLICATION PUBLICATION NUMBER: US2007118942

CA INDEXING IS CURRENT THROUGH 29 May 2007 (20070529/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 29 May 2007 (20070529/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2006

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2006

=> S L17

L18 1 L17

=> DIS L18 1

L18 ANSWER 1 OF 1 USPATFULL on STN
AN 2005:318917 USPATFULL Full-text
TI Novel tetrahydroquinoline derivatives
IN Miyakawa, Motonori, Kyoto, JAPAN
PI US 2005277660 A1 20051215
AI US 2003-522553 A1 20030801 (10)

| | |
|--|-----------------------|
| WO 2003-JP9815 | 20030801 |
| | 20050201 PCT 371 date |
| PRAI JP 2002-225300 | 20020801 |
| DT Utility | |
| FS APPLICATION | |
| LN.CNT 1357 | |
| INCL INCLM: 514/290.000 | |
| | INCLS: 546/088.000 |
| NCL NCLM: 514/290.000 | |
| | NCLS: 546/088.000 |
| IC [7] | |
| ICM C07D471-04 | |
| ICS A61K031-473 | |
| IPCI C07D0471-04 [ICM,7]; C07D0471-00 [ICM,7,C*]; A61K0031-473 [ICS,7] | |
| IPCR A61P0005-00 [I,C*]; A61P0005-24 [I,A]; A61P0007-00 [I,C*]; | |
| A61P0007-00 [I,A]; A61P0007-06 [I,A]; A61P0015-00 [I,C*]; | |
| A61P0015-00 [I,A]; A61P0015-10 [I,A]; A61P0019-00 [I,C*]; | |
| A61P0019-10 [I,A]; A61P0035-00 [I,C*]; A61P0035-00 [I,A]; | |
| A61P0043-00 [I,C*]; A61P0043-00 [I,A]; C07D0221-00 [I,C*]; | |
| C07D0221-16 [I,A]; C07D0401-00 [I,C*]; C07D0401-12 [I,A]; | |
| C07D0405-00 [I,C*]; C07D0405-12 [I,A] | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

| => logoff y
COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|--|------------------|---------------|
| FULL ESTIMATED COST | 2.49 | 704.03 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
| CA SUBSCRIBER PRICE | 0.00 | -0.78 |

STN INTERNATIONAL LOGOFF AT 13:50:04 ON 30 MAY 2007

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1612RXD

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 JAN 08 CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS 3 JAN 16 CA/CAplus Company Name Thesaurus enhanced and reloaded
NEWS 4 JAN 16 IPC version 2007.01 thesaurus available on STN
NEWS 5 JAN 16 WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS 6 JAN 22 CA/CAplus updated with revised CAS roles
NEWS 7 JAN 22 CA/CAplus enhanced with patent applications from India
NEWS 8 JAN 29 PHAR reloaded with new search and display fields
NEWS 9 JAN 29 CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS 10 FEB 15 PATDPASPC enhanced with Drug Approval numbers
NEWS 11 FEB 15 RUSSIAPAT enhanced with pre-1994 records
NEWS 12 FEB 23 KOREAPAT enhanced with IPC 8 features and functionality
NEWS 13 FEB 26 MEDLINE reloaded with enhancements
NEWS 14 FEB 26 EMBASE enhanced with Clinical Trial Number field
NEWS 15 FEB 26 TOXCENTER enhanced with reloaded MEDLINE
NEWS 16 FEB 26 IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS 17 FEB 26 CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases
NEWS 18 MAR 15 WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS 19 MAR 16 CASREACT coverage extended
NEWS 20 MAR 20 MARPAT now updated daily
NEWS 21 MAR 22 LWPI reloaded
NEWS 22 MAR 30 RDISCLOSURE reloaded with enhancements
NEWS 23 APR 02 JICST-EPLUS removed from database clusters and STN
NEWS 24 APR 30 GENBANK reloaded and enhanced with Genome Project ID field
NEWS 25 APR 30 CHEMCATS enhanced with 1.2 million new records
NEWS 26 APR 30 CA/CAplus enhanced with 1870-1889 U.S. patent records
NEWS 27 APR 30 INPADOC replaced by INPADOCDB on STN
NEWS 28 MAY 01 New CAS web site launched
NEWS 29 MAY 08 CA/CAplus Indian patent publication number format defined
NEWS 30 MAY 14 RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS 31 MAY 21 BIOSIS reloaded and enhanced with archival data
NEWS 32 MAY 21 TOXCENTER enhanced with BIOSIS reload
NEWS 33 MAY 21 CA/CAplus enhanced with additional kind codes for German patents
NEWS 34 MAY 22 CA/CAplus enhanced with IPC reclassification in Japanese patents

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

| | |
|------------|---|
| NEWS HOURS | STN Operating Hours Plus Help Desk Availability |
| NEWS LOGIN | Welcome Banner and News Items |
| NEWS IPC8 | For general information regarding STN implementation of IPC 8 |

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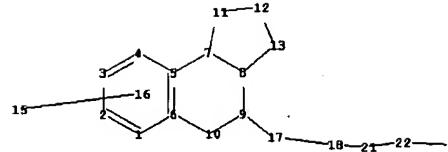
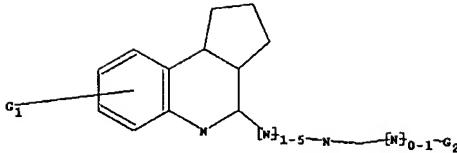
TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

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=> Uploading C:\Program Files\Stnexp\Queries\10522553.str
```



chain nodes :

15 17 18 21 22 23

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13

chain bonds :

9-17 17-18 18-21 21-22 22-23

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-13 9-10 11-12 12-13

exact/norm bonds :

5-7 6-10 7-8 7-11 8-9 8-13 9-10 9-17 11-12 12-13 17-18 18-21 21-22 22-23

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

G1:CN,NO2

G2:Cy,CH

Match level :

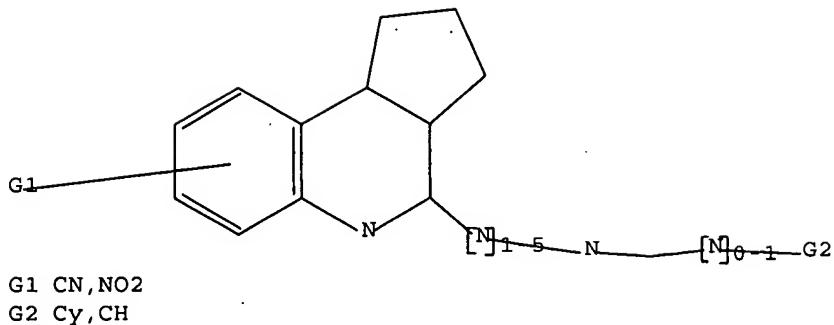
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
21:CLASS 22:CLASS 23:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

```
=> s l1
SAMPLE SEARCH INITIATED 13:42:50 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 2 TO 124
PROJECTED ANSWERS: 0 TO 0
```

L2 0 SEA SSS SAM L1

```
=> s l1 ful
FULL SEARCH INITIATED 13:42:58 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 9 TO ITERATE

100.0% PROCESSED 9 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01
```

L3 0 SEA SSS FUL L1

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 173.00 | 173.21 |

FILE 'REGISTRY' ENTERED AT 13:44:15 ON 30 MAY 2007
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 DICTIONARY FILE UPDATES: 29 MAY 2007 HIGHEST RN 936074-26-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

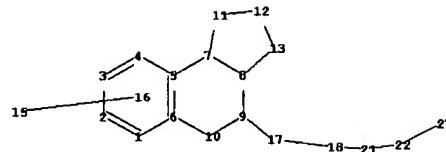
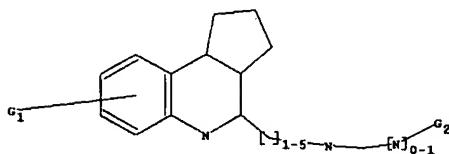
TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10522553.str



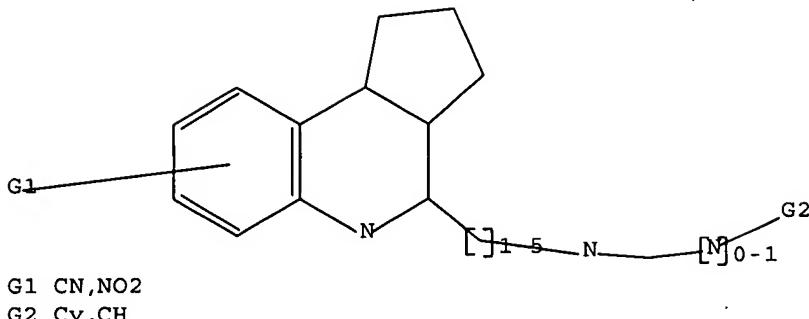
chain nodes :
15 17 18 21 22 27
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13
chain bonds :
9-17 17-18 18-21 21-22 22-27
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-13 9-10 11-12 12-13
exact/norm bonds :
5-7 6-10 7-8 7-11 8-9 8-13 9-10 11-12 12-13 17-18 18-21 21-22 22-27
exact bonds :
9-17
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

G1:CN,NO2

G2:Cy,CH

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
21:CLASS 22:CLASS 27:CLASS

=> d 14
L4 HAS NO ANSWERS
L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 14
SAMPLE SEARCH INITIATED 13:44:35 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 58 TO ITERATE

100.0% PROCESSED 58 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 704 TO 1616
PROJECTED ANSWERS: 1 TO 80

L5 1 SEA SSS SAM L4

=> s 14 ful
FULL SEARCH INITIATED 13:44:40 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1288 TO ITERATE

100.0% PROCESSED 1288 ITERATIONS 29 ANSWERS
SEARCH TIME: 00.00.01

L6 29 SEA SSS FUL L4

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 172.10 | 345.31 |

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FILE COVERS 1907 - 30 May 2007 VOL 146 ISS 23
FILE LAST UPDATED: 29 May 2007 (20070529/ED)

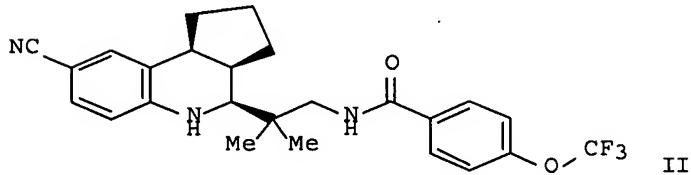
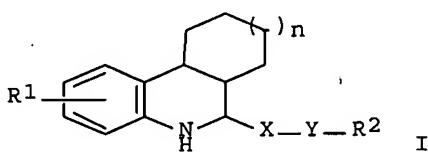
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=> s 16
L7 1 L6

=> d abs bib fhitstr

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
GI



AB The title nonsteroidal tetrahydroquinoline deriv. with general formula of I [wherein R1 = NO₂ or CN; n = 0 or 1; X = (un)substituted alkylene; Y = (un)substituted NHCO, NHSO₂, NHCONH, or NHCSNH; R2 = (un)substituted Ph, heteroaryl, etc.] or pharmaceutically acceptable salts thereof are prepared as androgen receptor agonists, particularly on skeletal muscle tissues and bone tissues without showing any excessive effect on prostatic gland. For example, 4-aminobenzonitrile was reacted with cyclopentadiene and N-(2,2-dimethyl-3-oxopropyl)carbamic acid tert-Bu ester in MeCN in the presence of CF₃CO₂H, followed by hydrogenation, hydrolysis, and reacted with 4-trifluoromethoxybenzoic acid to give the amide II. The compds. I showed strong binding inhibitory activity against androgen receptor in rat. Formulations containing I as an active ingredient were also described.

AN 2004:120829 CAPLUS Full-text

DN 140:181335

TI Preparation of novel tetrahydroquinoline derivatives as androgen receptor agonists

IN Miyakawa, Motonori; Oguro, Nao; Hanada, Keigo; Furuuya, Kazuyuki; Yamamoto, Noriko

PA Kaken Pharmaceutical Co., Ltd., Japan

SO PCT Int. Appl., 55 pp.

CODEN: PIXXD2

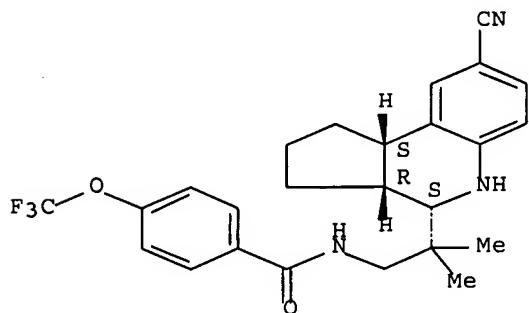
DT Patent

LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2004013104 | A1 | 20040212 | WO 2003-JP9815 | 20030801 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 2003252333 | A1 | 20040223 | AU 2003-252333 | 20030801 |
| | EP 1541560 | A1 | 20050615 | EP 2003-766703 | 20030801 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK | | | | |
| | US 2005277660 | A1 | 20051215 | US 2005-522553 | 20050201 |
| PRAI | JP 2002-225300 | A | 20020801 | | |
| | WO 2003-JP9815 | W | 20030801 | | |
| OS | MARPAT 140:181335 | | | | |
| IT | 657407-46-0P | | | | |
| | RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) | | | | |
| | (drug candidate; preparation of novel tetrahydroquinoline derivs. as androgen receptor agonists) | | | | |
| RN | 657407-46-0 CAPLUS | | | | |
| CN | Benzamide, N-[2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-4-(trifluoromethoxy)-, rel-(9CI) (CA INDEX NAME) | | | | |

Relative stereochemistry.



=> file registry
COST IN U.S. DOLLARS
FULL ESTIMATED COST

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 6.68 | 351.99 |

| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
|--|------------------|---------------|
| CA SUBSCRIBER PRICE | -0.78 | -0.78 |

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 DICTIONARY FILE UPDATES: 29 MAY 2007 HIGHEST RN 936074-26-9

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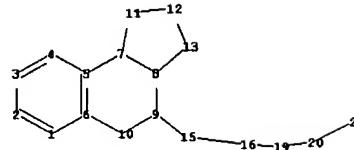
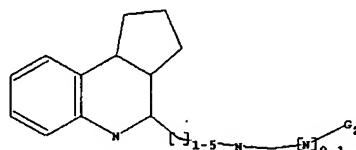
TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
 Uploading C:\Program Files\Stnexp\Queries\10522553.str



chain nodes :
 15 16 19 20 25
 ring nodes :
 1 2 3 4 5 6 7 8 9 10 11 12 13
 chain bonds :
 9-15 15-16 16-19 19-20 20-25
 ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-13 9-10 11-12 12-13
 exact/norm bonds :
 5-7 6-10 7-8 8-9 9-10 15-16 16-19 19-20 20-25
 exact bonds :
 7-11 8-13 9-15 11-12 12-13
 normalized bonds :
 1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :
containing 1 :

G1:CN,NO2

G2:Cy,Ak,C

Match level :

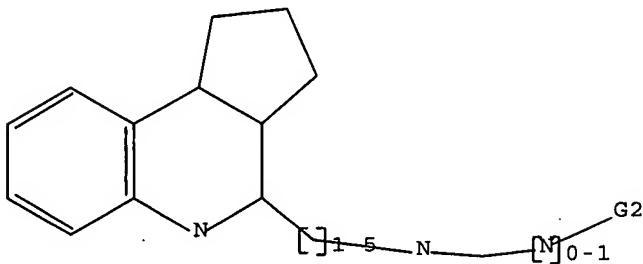
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 15:CLASS 16:CLASS 19:CLASS 20:CLASS
25:CLASS

L8 STRUCTURE UPLOADED

=> d 18

L8 HAS NO ANSWERS

L8 STR



G1 CN,NO2

G2 Cy,Ak,C

Structure attributes must be viewed using STN Express query preparation.

=> s 18

SAMPLE SEARCH INITIATED 13:47:02 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 378 TO ITERATE

100.0% PROCESSED 378 ITERATIONS
SEARCH TIME: 00.00.01

1 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 6394 TO 8726
PROJECTED ANSWERS: 1 TO 80

L9 1 SEA SSS SAM L8

=> s 18 ful

FULL SEARCH INITIATED 13:47:07 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 7982 TO ITERATE

100.0% PROCESSED 7982 ITERATIONS

33 ANSWERS

SEARCH TIME: 00.00.01

L10 33 SEA SSS FUL L8

| | | |
|--|------------|---------|
| => file caplus | SINCE FILE | TOTAL |
| COST IN U.S. DOLLARS | ENTRY | SESSION |
| FULL ESTIMATED COST | 172.10 | 524.09 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL |
| CA SUBSCRIBER PRICE | ENTRY | SESSION |
| | 0.00 | -0.78 |

FILE 'CAPLUS' ENTERED AT 13:47:23 ON 30 MAY 2007
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FILE COVERS 1907 - 30 May 2007 VOL 146 ISS 23
FILE LAST UPDATED: 29 May 2007 (20070529/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l10
L11 1 L10

=> s l11 not 17
L12 0 L11 NOT L7

| | | |
|--|------------|---------|
| => file registry | SINCE FILE | TOTAL |
| COST IN U.S. DOLLARS | ENTRY | SESSION |
| FULL ESTIMATED COST | 0.47 | 524.56 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL |
| CA SUBSCRIBER PRICE | ENTRY | SESSION |
| | 0.00 | -0.78 |

FILE 'REGISTRY' ENTERED AT 13:48:16 ON 30 MAY 2007
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STRUCTURE FILE UPDATES: 29 MAY 2007 HIGHEST RN 936074-26-9
DICTIONARY FILE UPDATES: 29 MAY 2007 HIGHEST RN 936074-26-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

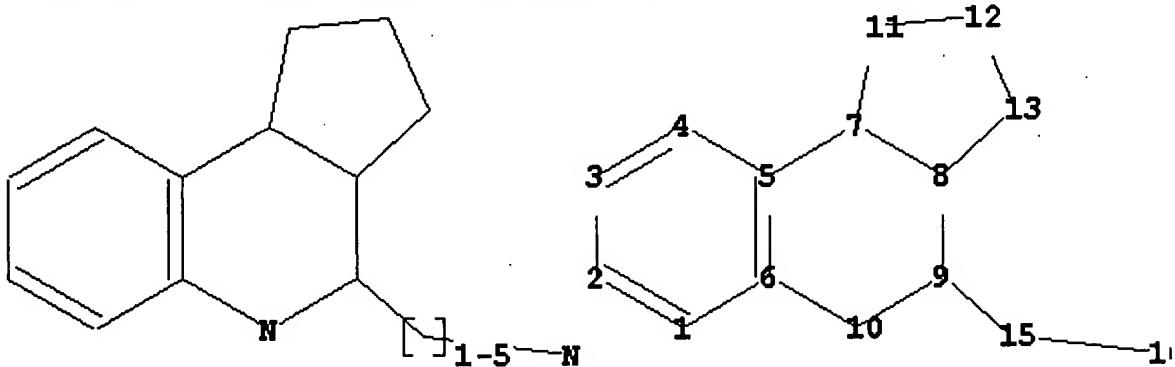
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10522553.str



chain nodes :

15 16

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13

chain bonds :

9-15 15-16

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 7-11 8-9 8-13 9-10 11-12 12-13

exact/norm bonds :

5-7 6-10 7-8 8-9 9-10 15-16

exact bonds :

7-11 8-13 9-15 11-12 12-13

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

G1:CN,NO2

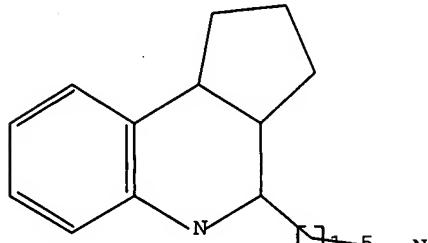
G2:Cy,Ak,C

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 15:CLASS 16:CLASS

L13 STRUCTURE UPLOADED

=> d l13
L13 HAS NO ANSWERS
L13 STR



G1 CN,NO2
G2 Cy,Ak,C

Structure attributes must be viewed using STN Express query preparation.

=> s l13
SAMPLE SEARCH INITIATED 13:48:38 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 382 TO ITERATE

100.0% PROCESSED 382 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 6468 TO 8812
PROJECTED ANSWERS: 1 TO 80

L14 1 SEA SSS SAM L13

=> s l13 ful
FULL SEARCH INITIATED 13:48:43 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 8053 TO ITERATE

100.0% PROCESSED 8053 ITERATIONS 35 ANSWERS
SEARCH TIME: 00.00.01

L15 35 SEA SSS FUL L13

=> d his

(FILE 'HOME' ENTERED AT 13:42:08 ON 30 MAY 2007)

FILE 'REGISTRY' ENTERED AT 13:42:24 ON 30 MAY 2007
L1 STRUCTURE uploaded
L2 0 S L1
L3 0 S L1 FUL

FILE 'REGISTRY' ENTERED AT 13:44:15 ON 30 MAY 2007
L4 STRUCTURE uploaded

L5 1 S L4
L6 29 S L4 FUL

FILE 'CAPLUS' ENTERED AT 13:44:43 ON 30 MAY 2007
L7 1 S L6

FILE 'REGISTRY' ENTERED AT 13:46:40 ON 30 MAY 2007
L8 STRUCTURE UPLOADED
L9 1 S L8
L10 33 S L8 FUL

FILE 'CAPLUS' ENTERED AT 13:47:23 ON 30 MAY 2007
L11 1 S L10
L12 0 S L11 NOT L7

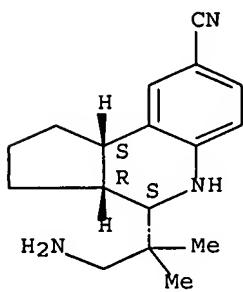
FILE 'REGISTRY' ENTERED AT 13:48:16 ON 30 MAY 2007
L13 STRUCTURE UPLOADED
L14 1 S L13
L15 35 S L13 FUL

=> s l15 not l10
L16 2 L15 NOT L10

=> d 1-2

L16 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2007 ACS on STN
RN 657407-81-3 REGISTRY
ED Entered STN: 03 Mar 2004
CN 1H-Cyclopenta[c]quinoline-8-carbonitrile, 4-(2-amino-1,1-dimethylethyl)-
2,3,3a,4,5,9b-hexahydro-, (3aR,4S,9bS)-rel- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C17 H23 N3
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Relative stereochemistry.



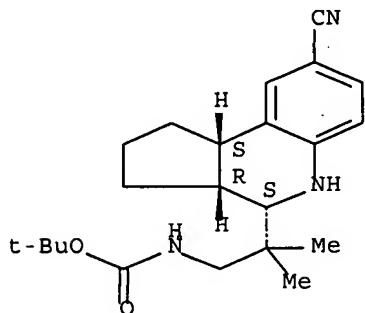
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L16 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2007 ACS on STN
RN 657407-80-2 REGISTRY
ED Entered STN: 03 Mar 2004

CN Carbamic acid, [2-[(3aR,4S,9bS)-8-cyano-2,3,3a,4,5,9b-hexahydro-1H-cyclopenta[c]quinolin-4-yl]-2-methylpropyl]-, 1,1-dimethylethyl ester, rel- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C22 H31 N3 O2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> FIL REGISTRY

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|--|------------------|---------------|
| FULL ESTIMATED COST | 176.45 | 701.01 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
| CA SUBSCRIBER PRICE | 0.00 | -0.78 |

FILE 'REGISTRY' ENTERED AT 13:49:28 ON 30 MAY 2007
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STRUCTURE FILE UPDATES: 29 MAY 2007 HIGHEST RN 936074-26-9
DICTIONARY FILE UPDATES: 29 MAY 2007 HIGHEST RN 936074-26-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and

predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> SET TERMSET E#

SET COMMAND COMPLETED

=> DEL SEL Y

=> SEL L16 1 RN

E1 THROUGH E1 ASSIGNED

=> S E1/RN

L17 1 657407-81-3/RN

=> SET TERMSET LOGIN

SET COMMAND COMPLETED

=> FIL USPATFULL

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|--|------------------|---------------|
| FULL ESTIMATED COST | 0.53 | 701.54 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
| CA SUBSCRIBER PRICE | 0.00 | -0.78 |

FILE 'USPATFULL' ENTERED AT 13:49:32 ON 30 MAY 2007
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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 29 May 2007 (20070529/PD)
FILE LAST UPDATED: 29 May 2007 (20070529/ED)
HIGHEST GRANTED PATENT NUMBER: US7225469
HIGHEST APPLICATION PUBLICATION NUMBER: US2007118942
CA INDEXING IS CURRENT THROUGH 29 May 2007 (20070529/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 29 May 2007 (20070529/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2006
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2006

=> S L17

L18 1 L17

=> DIS L18 1

L18 ANSWER 1 OF 1 USPATFULL on STN
AN 2005:318917 USPATFULL Full-text
TI Novel tetrahydroquinoline derivatives
IN Miyakawa, Motonori, Kyoto, JAPAN
PI US 2005277660 A1 20051215
AI US 2003-522553 A1 20030801 (10)

| | |
|--|-----------------------|
| WO 2003-JP9815 | 20030801 |
| | 20050201 PCT 371 date |
| PRAI JP 2002-225300 | 20020801 |
| DT Utility | |
| FS APPLICATION | |
| LN.CNT 1357 | |
| INCL INCLM: 514/290.000 | |
| | INCLS: 546/088.000 |
| NCL NCLM: 514/290.000 | |
| | NCLS: 546/088.000 |
| IC [7] | |
| ICM C07D471-04 | |
| ICS A61K031-473 | |
| IPCI C07D0471-04 [ICM,7]; C07D0471-00 [ICM,7,C*]; A61K0031-473 [ICS,7] | |
| IPCR A61P0005-00 [I,C*]; A61P0005-24 [I,A]; A61P0007-00 [I,C*]; | |
| A61P0007-00 [I,A]; A61P0007-06 [I,A]; A61P0015-00 [I,C*]; | |
| A61P0015-00 [I,A]; A61P0015-10 [I,A]; A61P0019-00 [I,C*]; | |
| A61P0019-10 [I,A]; A61P0035-00 [I,C*]; A61P0035-00 [I,A]; | |
| A61P0043-00 [I,C*]; A61P0043-00 [I,A]; C07D0221-00 [I,C*]; | |
| C07D0221-16 [I,A]; C07D0401-00 [I,C*]; C07D0401-12 [I,A]; | |
| C07D0405-00 [I,C*]; C07D0405-12 [I,A] | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

| => logoff y
COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|--|------------------|---------------|
| FULL ESTIMATED COST | 2.49 | 704.03 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
| CA SUBSCRIBER PRICE | 0.00 | -0.78 |

STN INTERNATIONAL LOGOFF AT 13:50:04 ON 30 MAY 2007